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Prairie View State Normal and Industrial College

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THE STANDARD OF
THE PRAIRIE VIEW STATE NORMAL AND
INDUSTRIAL COLLEGE

FIFTY-THIRD
CATALOG EDITION
Of The
**Prairie View State Normal and
Industrial College**



For The
School Year 1931-1932

**With Announcements for the School Session
Beginning September 21, 1932 and
Closing May 30, 1933**

**PRAIRIE VIEW, TEXAS
WALLER COUNTY**

**Published Monthly by The Prairie View State Normal and
Industrial College, Prairie View, Texas**

Entered as second-class matter at the post-office at Prairie View,
Texas, under the Act of August 24, 1912.

NOTICE!!

CORRESPONDENCE COURSE

HISTORY 103.—Texas and Federal Constitutions.

A study of the Texas and Federal Constitutions for the purpose of certification. This course may not be completed in less than forty-eight days.

For particulars write the chairman of the Correspondence Course, Prairie View State College, Prairie View, Texas.

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COLLEGE CALENDAR

1932-1933

First Semester

September 20, Tuesday.....Dining Room Opens
 September 21, Wednesday.....First Semester Begins
 September 21-24.....Registration and Payment of Fees
 September 21-22 Entrance Examinations
 September 26, Monday, 7:30 a. m.....Classroom Work Begins
 November 11, Armistice Day..... Holiday
 November 24, Thanksgiving DayHoliday
 December 25, Christmas DayHoliday
 January 20, 21, 23, 24.....First Semester Examinations
 January 24First Semester Ends

Second Semester

January 25Second Semester Begins
 February 22, Washington's BirthdayHoliday
 April 21San Jacinto Day
 May 19, 20, 22, 23.....Examinations for Seniors
 May 24, 25, 26, 27.....Second Semester Examinations
 May 28, SundayBaccalaureate Sermon
 May 29, MondayCommencement Day
 May 30, Tuesday.....Second Semester Ends

Summer School

June 5, Monday.....Summer School Begins
 August 8.....Summer Term Ends

BOARD OF DIRECTORS

F. M. LAW, President
 BYRD E. WHITE, Vice-President
 S. G. BAILEY, Secretary

Term Expires 1933

E. J. Kiest Dallas
 P. L. Downs, Jr. Temple
 W. T. Montgomery San Antonio

Term Expires 1935

F. M. LAW Houston
 BYRD E. WHITE Lancaster
 WALTER G. LACY Waco

Term Expires 1937

H. C. Schumacher Houston
 JOSEPH KOPECKY Hallettsville
 G. R. WHITE Brady

Prairie View Committee

H. C. SCHUHMACHER, Chairman
 WALTER G. LACY P. L. DOWNS, Jr.

NON-RESIDENT ADMINISTRATIVE OFFICERS

T. O. WALTON, LL. D., President
 GEORGE A. LONG, B. S., Supervising Accountant
 J. K. WALKER, B. S., Supervising Engineer

ADMINISTRATIVE CABINET

Willette R. Banks, A. M., Principal
 Charles W. Lewis, Local Treasurer.
 Joseph J. Abernethy, B. S., Director, School of Mechanical Arts
 L. A. Potts, B. S., Director, School of Agriculture
 Elizabeth C. May, B. S., Director, School of Home Economics
 John M. Franklin, M. D., Director, School of Nursing Education;
 College Physician
 John B. Cade, A. M., Registrar
 Edward B. Evans, D. V. M., Associate Director, School of Agriculture
 Captain Edward L. Dabney, Dean of Men
 M. E. Suarez, Dean of Women
 C. H. Waller, B. S., State Leader, Extension Work
 G. W. Buchanan, Manager, College Exchange
 Napoleon B. Edward, B. S., Executive Secretary and Publicity Agent

OFFICERS OF INSTRUCTION**DIVISION OF ARTS AND SCIENCES**
 (With Teacher Training Department)**Professors**

F. A. Jackson, Economics.
 A. B., Atlanta; M. B. A., New York.
 Henry A. Bullock, Sociology.
 A. B., Virginia Union; A. M., Michigan.
 James E. Pierce, History.
 A. B., Toledo; one year's graduate work, Ohio State.
 *Rufus P. Perry, Chemistry.
 A. B., Johnson C. Smith; M. S., Iowa.
 Harvey G. Dickerson, Biology.
 B. S., Ohio; M. S., Iowa.
 Earl L. Sasser, English.
 A. B., Shaw; A. M., Cornell.
 Albert W. Randall, Mathematics.
 A. B., Alcorn; A. M., Colorado.
 Charles E. Carpenter, Romance Languages.
 B. L., California; M. L., California.
 Mack T. Williams, Philosophy, Chaplain.
 A. B., Roger Williams; B. D., Oberlin; Graduate Student, Chicago.
 O. Anderson Fuller, Jr., Music.
 A. B., Bishop College; Student, New England Conservatory.

*On leave 1931-1932.

Associate Professors

- Mrs. Gladys E. Thompson, Education, Supervisor of Teacher Training.
A. B., Nebraska; A. M., Howard.
- George W. Reeves, Education.
A. B., Atlanta; A. M. Michigan.
- Edwyna H. Randals, Education.
B. S., and A. M., Southern California.
- Paul E. Bledsoe, Education.
A. B., Talladega; Ph. B., Central.
- W. Henry Houston, English.
A. B., Redlands; A. M., University of Southern California.
- William L. Donley, Chemistry.
B. Ch. and M. S., Detroit.
- Maurice Jones, Physics.
B. S., Illinois.
- Ruth I. Clark, English.
A. B., Kansas.
- Sam B. Taylor, Physical Education and Coach, Mathematics.
B. S., Northwestern.
- Mabel J. Lucas, Chemistry.
B. S., Michigan, Graduate Student, Chicago.

Assistant Professors

- W. A. Perry, Education, Head, Department of Education.
A. B., Johnson C. Smith; One year's graduate work, Iowa.
- Altheda B. Moore, English.
A. B., Iowa.
- J. Mercer Johnson, English.
A. B., Clark; Graduate Student, Colorado.
- Virginia R. McDonald, Education, Supervisor, Training School.
A. B., Pittsburg.
- Hamilton J. Brown, Chemistry.
A. B., Atlanta.
- Douglass R. Turner, Chemistry.
B. S., University of Illinois.

Instructors

- Marie J. Davis, History.
B. S., Prairie View; Graduate Student, Colorado.
- Emma Jean Mosby, Languages.
B. S., Kansas.
- Clara E. McMillan, History.
B. S., Prairie View; Graduate Student, Colorado.
- Gertrude E. Turner, English.
B. S., Ohio State.
- Susie E. Pinckney, Education.
B. S., Des Moines; Graduate Student, Drake., Chicago University.

- Henrietta Brogwell, Education, Demonstration Teacher, Elementary Practice School.
A. B., Pittsburg.
- Julia A. Greene, English.
B. S., Prairie View; Graduate Student, Colorado.
- *Walter M. Booker, Chemistry.
A. B., Morehouse; Graduate Student, Iowa University.
- Marjorie Johnson, Physical Education.
A. B., Oberlin.
- G. Patricia Offutt, Physical Education.
B. S., Indiana State Teachers' College.
- E. E. Byais, Biology.
B. S., Bishop; Graduate Student, Colorado.
- Matilda Morris, Commercial Studies.
Diploma, Michigan Normal.
- Anna L. Campbell, English.
B. S., Bradley Polytechnic.
- Mabel K. Bullock, Music.
Howard University.
- Leah M. Minor, Music.
Spelman College; McPhail; St. Frances De Sales.
- Evelyn J. Rucker, Mathematics.
B. S., Prairie View.
- Edward L. Dabney, Military Science and Dean of Men.
Capt., Infantry Reserve, U. S. A., Hampton Institute.
- Thomye W. Collins, Critic Teacher, Training School
B. S., Prairie View; One year's graduate work, Atlanta University.
- J. Adelaide Walker, Education.
A. B., Atlanta.

Additional Summer School Instructors

- John Lovell, English.
A. M., Northwestern; Ph. D., Pennsylvania; Howard U. Faculty.
- Ella Montgomery, Home Economics.
B. S., Prairie View; Instructor, Public Schools, Dallas, Texas.
- Anna F. Davis, Home Economics.
B. S., West Virginia State; Instructor, Langston University, Okla.
- Mrs. W. L. D. Johnson, English.
B. S., Prairie View; Head, English Dept., Phyllis Wheatly High School, Houston, Texas.
- K. C. Stewart, Education.
B. S., Prairie View; Graduate Student, Columbia; Instructor, Prairie View Extension School, Nacogdoches, Texas.

Alyce P. Shields, Education.

B. S., Prairie View; M. A., Columbia; Instructor, Prairie View Extension School, Beaumont and Jasper.

W. B. Bozeman, Education.

B. S., Fisk; A. M., Kansas University; Instructor, Prairie View Extension School, Houston and Galveston.

Booker T. Greer, Chemistry.

B. S., Prairie View.

DIVISION OF AGRICULTURE

Professors

*L. A. Potts, Director.

B. S., Iowa State College; Graduate Student, Cornell University.

Edward B. Evans, Veterinary Science.

D. V. M., Iowa State College; Graduate Student, Iowa State College.

J. M. Alexander, Animal Husbandry.

B. S., Prairie View State College; M. S., Iowa State College.

Associate Professors

J. C. McAdams, Itinerant Teacher-Trainer.

B. S., Hampton Institute.

Assistant Professors

Church H. Banks, Vocational Education.

B. S., Hampton Institute.

S. H. Settler, Farm Crops and Soils.

B. S., Kansas State Agriculture College; Graduate Student.

G. L. Smith, Farm Management and Truck Gardening.

B. S., Hampton Institute.

W. R. Harrison, Rural Sociology.

B. S., Howard University; M. S., Cornell University.

E. L. Smith, Stenographer and Clerk.

DIVISION OF HOME ECONOMICS

Professor

Elizabeth C. May, Director.

B. S., Kansas State Agricultural College; Graduate Student, Chicago

Associate Professors

E. J. Anderson, Child Care.

B. S., Kansas; M. S., Kansas.

Nellie B. Dillon, Vocational Education.

B. S., Prairie View State College; Graduate Student, California.

*On leave of absence studying.

Elcena F. Martin, Clothing.

B. S., Prairie View State College; Graduate Student, Chicago.

Assistant Professors

Irene Pride, Foods.

B. S., Kansas State College.

*D. S. Dent, Clothing.

Ohio State.

Ophelia C. Hubert, Foods.

B. S., Hampton Institute.

Mary I. Moore, Handicraft.

A. B., Fisk University; Graduate Student, Chicago University.

Grace L. Smith, Clothing.

B. S., Kansas University.

DIVISION OF MECHANIC ARTS

Professor

J. J. Abernethy, Director.

B. S. in M. E., Kansas State Agricultural College.

Associate Professors

C. L. Wilson, Mechanic Arts.

B. S. in M. E., Kansas State Agricultural College.

F. G. Fry, Chief Engineer.

B. S., in E. E., Kansas State Agricultural College.

Instructors

D. W. Martin, Electrical Engineering.

B. S., Prairie View State College.

N. A. Jones, Machine Shop.

Langston University.

H. T. Farrell, Laundering.

Prairie View State College.

William Cook, Printing.

Prairie View State College.

Charles G. Oler, Printing.

Prairie View State College.

Sadie Allen Johnson, Printing.

Prairie View State College.

R. F. Johnson, Shoemaking.

St. Louis Training School; Prairie View State College.

A. G. Cleaver, Broom and Mattress Making.

Prairie View State College.

T. H. Brittain, Carpentry.

Tuskegee Institute.

*On leave of absence studying.

Edward T. Johnson, Auto Mechanics.
 Prairie View State College.
 A. J. Wallace, Carpentry.
 Prairie View State College.
 D. F. Dailey, Blacksmithing and Wheelwrighting.
 Prairie View State College.
 W. P. Terrell, Teacher Trainer.
 Massachusetts Institute of Technology
 J. M. Wilson, Tailoring.
 Tuskegee Institute.
 D. F. White, Mechanic Drawing
 B. S., University of Michigan.
 George F. Jones, Chief Clerk.
 Tillotson College.

DIVISION OF NURSING EDUCATION

John M. Franklin, Resident Physician and Training School Director.
 M. D., Meharry.
 V. A. Richardson, Interne.
 J. A. B., Morehouse College; M. D., Meharry.
 Martin L. Edwards, Interne.
 A. B., Clark University; Graduate Work, Northwestern University;
 M. D., Meharry.
 Ch. K. Smith, Dentist.
 A. B., Fisk University; D. D. S., Meharry.
 Herman C. Fitzgerald, Pharmacist.
 Ph. G., Meharry.
 Mrs. M. S. Brannon, R. N., Superintendent of Nurses.
 Tuskegee Institute, Graduate Student, Minnesota.
 Mrs. L. M. F. Langford, R. N., Assistant Superintendent of Nurses and
 Surgical Supervisor.
 R. N., Meharry.
 Zula A. Douglas, Night Supervisor.
 R. N., Flint-Goodrich, New Orleans, La.

OFFICERS OF ADMINISTRATION AND ASSISTANTS

Willette R. Banks, A. M., Principal.
 Napoleon B. Edward, Executive Secretary.
 B. S., Western University.
 Youra J. Qualls, Stenographer, Principal's Office.
 Elicker's School of Business.
 John B. Cade, Registrar.
 A. B., Atlanta; A. M., Chicago.
 John N. Southern, Assistant Registrar.
 A. B., Butler College, Indiana.
 Arzelia M. Jones, Stenographer, Registrar's Office.

Sumner Junior College, Kansas.
 Rubye L. Rush, Research and Transcript Clerk, Registrar's Office.
 B. S., Prairie View State College.
 Charles W. Lewis, Local Treasurer.
 Samuel Huston College.
 Harvey R. Turner, Accountant, Treasurer's Office.
 B. S., in C. E., Rhode Island State College.
 I. A. Reese, Bookkeeper, Treasurer's Office.
 Prairie View State College
 LaVaughn C. Mosley, Cashier, Treasurer's Office.
 B. S., Prairie View State College
 Roby W. Hilliard, Steward, Treasurer's Office (Subsistence).
 B. S., Prairie View State College.
 Capt. Edward L. Dabney, Inf. Res., U. S. A., Dean of Men and Professor
 of Military Science and Tactics.
 Inf. Res., U. S. A.; Hampton Institute.
 M. E. Suarez, Dean of Women.
 Hampton Institute, Special work at Columbia.
 Estella M. Greene, Matron.
 Prairie View State College.
 Orestes J. Baker, Librarian.
 A. B., Morehouse; B. S., L. S., Hampton Institute.
 Bertha Procella Patton, Assistant Librarian.
 B. S., Prairie View State College; B. S., L. S., Hampton Institute.
 G. W. Buchanan, Manager, College Exchange.
 Bishop College; Prairie View State College.

EXTENSION SCHOOLS

John B. Cade, Director.
 A. B., Atlanta; A. M., Chicago.
 Kelly C. Stewart, Instructor, G. alveston.
 B. S., Prairie View State College; one year's graduate work,
 Columbia.
 Eugene S. Richards, Instructor, Beaumont and Houston.
 A. B., New Orleans; A. M., University of Southern California.
 Theodore Griffith, Instructor, Nacogdoches.
 A. B., New Orleans; A. M., University of Iowa.

STATE AGRICULTURAL EXTENSION SERVICE

C. H. Waller, State Leader.
 B. S., Penn State.
 I. W. Rowan, State Home Demonstration Agent.
 B. S., Prairie View State College.
 H. S. Estelle, District Agent.
 B. S., Prairie View State College.
 E. W. H. Gilmore, Stenographer.

HISTORY OF PRAIRIE VIEW STATE COLLEGE

August 14, 1876, an act of the Fifteenth Legislature of Texas to establish an A. and M. College of Texas for the benefit of Negroes. The College was located in Waller County.

Kirby Hall, erected prior to 1860, a two story frame building was the only building on the grounds when the School opened. For a time it housed various college departments but it is now being used to house some of the employees and their families.

April 19, 1879, act providing for organization and support of a Normal School in Waller County.

1876-1880, L. M. Minor, first principal.

1880-1884, E. H. Anderson, second principal.

1884-1896, L. C. Anderson, third principal.

1890, Old Agricultural Building, a two-story frame building, erected at cost of \$3,000.

1889, Administration Building, three story brick, erected at a cost of \$35,000; remodeled 1924.

1896-1915, E. L. Blackshear, fourth principal.

Sept. 1, 1915-Oct. 10, 1915, N. A. Banks, acting principal.

Oct. 11, 1915-Aug. 31, 1918, I. M. Terrell, fifth principal.

June 6, 1899, Act changing name from Normal School for Colored Teachers at Prairie View to the Prairie View State Normal and Industrial College.

March 28, 1901, College Department established by act of Legislature.

1909, Foster Hall, three story brick dormitory for men, erected at a cost of \$15,000.

1909, Luckie Hall, three story brick dormitory for men, erected at a cost of \$25,000.

1911, Auditorium and Dining Hall, erected at a cost of \$20,000.

1912, Annex Building, two story frame dormitory for women, erected at a cost of \$2,000.

1912, Crawford Hall, three story brick dormitory for women erected at a cost of \$15,000.

1912, Repair Shop, one story steel and frame structure erected.

1916, New Frame, two story frame dormitory for women, erected at a cost of \$4,000.

1916, Minor Hall, three story fireproof brick women's dormitory, erected at a cost of \$55,000.

1916, Household Arts Building, three story fireproof brick, erected at a cost of \$55,000.

1916, Power and Ice Plant, one story fireproof brick, erected at a cost of \$35,000.

1916, Laundry, two story fireproof brick structure, erected at a cost of \$30,000.

Sept. 1, 1918-Aug. 31, 1919, J. G. Osborne, Acting Principal.

Sept. 1, 1919-Aug. 31, 1925, J. G. Osborne, sixth Principal.

1918, Spence Building, three story fireproof brick, housing division of agriculture, erected at a cost of \$60,000.

1923, Canning Plant, one story fireproof brick, erected at a cost of \$2,500.

1924, Science Building, three story fireproof brick building, erected at a cost of \$70,000.

1924, College Exchange, two story brick building, erected at a cost of \$14,000.

1925 Veterinary Hospital, one story fireproof brick, erected at a cost of \$15,000.

1925, Elementary Training School, Rosenwald design, one story, brick, erected at a cost of \$9,000.

1925, Practice Cottage, two-story frame structure, erected at a cost of \$5,000.

1925, Music Conservatory, two story frame structure, erected at a cost of \$3,000.

Sept. 1, 1925-Aug. 31, 1926, P. E. Bledsoe, Acting Principal.

Sept. 1, 1926, W. R. Banks, Seventh Principal.

1926, Blackshear Hall, two story brick dormitory for women, erected at a cost of \$36,000.

1926, Woodruff Hall, two story brick dormitory for men, erected at a cost of \$14,000.

1926, Store-room and Filling Station, one story fireproof structure, erected at a cost of \$28,000.

1928, Evans Hall, three story fireproof brick building for women, erected at a cost of \$100,000.

1928, Farm Shops Building, one story frame building, erected at a cost of \$1,800.

1929, Hospital, three story fireproof brick building with 50-bed capacity, erected at a cost of \$100,000.

1930, Industrial Engineering Building, a two-story fireproof building erected at a cost of \$90,000.

1931, Education Building, a three story fireproof building, erected at a cost of \$75,000, with aid of General Education Board.

Location

The College is located in Waller County, one mile north of Prairie View, through which passes the Houston and Texas Central Railroad, and six miles east of Hempstead. A paved road runs from Prairie View

to Houston, the largest city in the State which is only 45 miles from the College.

The campus proper covers 75 acres. Thirty-one main buildings and forty-two teachers' cottages adorn the campus. Including the campus proper the school owns 1,435 acres of land.

GENERAL STATEMENT

IMPORTANT DIRECTIONS

The attention of the prospective student is directed to the following important matters:

1. Please read carefully "Requirements for Admission."
2. Study the College Calendar.
3. An estimate of the expenses may be found under general expenses.
4. A student will find under the course of study an outline of work required for graduation.
5. No student is permitted to make a deposit for a diploma until all other fees have been paid.
6. Old and new students planning to enroll should first write the Registrar requesting an application blank to make application for entrance before coming to the College.
7. Students are required to use the text books adopted by the Committee on Text Books. These text books may be purchased after arrival at the College.
8. To obtain a diploma, a student must satisfactorily complete the course of study undertaken and must have spent at least a year in residence at the college.
9. All students should bring with them one spread, four sheets, three pillow cases, one pillow and sufficient bed covers, curtains and covers for table and dresser. A washable bedside rug is desirable.
10. Parents are earnestly requested to send money for students' accounts directly to C. W. Lewis, Local Treasurer, Prairie View State College, Prairie View, Texas. Money should be sent by registered mail, or express money order, or bank draft. **PERSONAL CHECKS WILL NOT BE ACCEPTED.**
11. Students should come to the College with sufficient funds to pay all fees for one month in advance and with a sufficient additional amount to cover the cost of books, stationery, and incidentals. The Board of Directors has established a College Exchange on the west side of the campus where students can purchase books, stationery, and supplies at reasonable prices. All students should add to necessary expenses for each semester about \$18.00 for books.

UNIFORMS

Women

The regulation uniform consists of a dark blue serge skirt, plain white blouse, small black tie and cuban heel shoes. A dark blue coat suit is desirable. Each young woman should have at least four plain white blouses and one of crepe. An umbrella, rain coat and galoshes or boots, as well as a heavy servicable overcoat are necessary.

Men (Cadets)

All men will provide themselves with the regulation uniforms, whether or not they are members of the Cadet Corps. Each student should have four pairs of trousers (khaki); two coats (khaki); four shirts, cotton or woolen O. D.; two pairs of shoes, army regulation; two pairs of leggings, spiral; one hat, army regulation. The student may have a serge uniform for dress wear but it must be of the regular U. S. Army regulation. These uniforms can be purchased at the College Exchange at a very reasonable price, not exceeding \$30.00.

Nurses

When not on duty, nurses may wear simple clothing in keeping with the regulations of the school.

ADMISSION

General Requirements

Admission to all branches of the College is under the control of the Registrar and the Registration Committee.

All communications in regard to admission of students to the College should be addressed to the Registrar, Prairie View State College, Prairie View, Texas.

Admission may be (1) to Freshman standing, (2) to advanced standing, (3) as adult special students, and (4) as irregular students.

Applicants for admission to the Freshman Classes should be at least sixteen years of age and must have graduated from an accredited high school and completed satisfactorily the required number of units of preparatory work. Conditional admittance may be gained otherwise as stated below.

A unit is the equivalent of one high school study satisfactorily pursued during one school year of at least thirty-six weeks, on the basis of five recitations a week of 40 or 50 minutes each. Laboratory courses indicate three recitation periods and two double periods of laboratory work.

All credits for admission must be filed and classified in the Registrar's Office before the student may attain academic status of any kind.

All students entering the Freshman Class are required to take a psychological test and an English test on grammar for the purpose of proper classification.

Admission by Certificate

Students who present complete certified transcripts showing graduation from accredited high schools will be admitted without examination. Transcripts should be on file in the Registrar's Office at least one month before the registration date of the semester in which the student plans to register. A blank for this purpose will be sent by the Registrar for the Principal of the High School from which the applicant was graduated.

Admission from Non-accredited High Schools

Applicants presenting the required number of units from a non-accredited high school may be admitted to the Freshman Class only (1) upon the successful passing of an entrance examination given by the College examination committee during the period of registration, (2) by removing the subject matter in which the condition is received, or (3) by both.

Entrance Requirements for Music Majors

Entrance requirements to the Music courses leading to a degree are equivalent to those in other courses leading to a degree, although they vary in detail according to the student's major work.

To take piano as a major the student should be grounded in correct touch and good technique. He should be able to play both major and minor scales correctly in a moderately rapid tempo.

Students who very nearly comply with these requirements may make them up and receive one-half of the usual credit; beginners may take requirements in non-credit courses.

Students entering the course in Voice as a major should exhibit knowledge of the elements of vocal culture, of sight singing, tone value and intervals, and exhibit an ability to play simple standard works on the piano. Non-credit and one-half credit courses apply in voice as in piano.

Admission to Advanced Standing

A student transferring from another college will be admitted to advanced standing in this College upon presentation of: First, a letter of honorable dismissal; second, an official transcript of all previous work completed.

Work completed at institutions which maintain standards of admission and graduation equal to this College will be credited for an equivalent amount of work in so far as it applies on any course offered in this college and in so far as the applicant does not enter later than the beginning of the senior year.

Credits will be provisionally accepted; final acceptance will depend upon the maintenance of a good average standing for one year by the student.

Admission as Adult Special

Persons at least 21 years of age who cannot fulfill the regular admission requirements for Freshman standing, but who present an equivalent academic training, or who have otherwise acquired adequate preparation for collegiate courses, may be admitted as "adult specials" upon the approval of the Director of the Division in which the applicant desires to enter.

Adult specials are subject to the same regulations as regular students and are not candidates for graduation until they have fulfilled all requirements including those for admission.

A personal interview with an applicant for admission as a special student is desired.

Admission As Irregular Student

Applicants who cannot meet all requirements for admission, or special students admitted because of mature years, may be permitted to restrict their studies to special courses upon petition to the Registration Committee and the Director of the Division in which the work is to be pursued. Such permission is usually confined to those interested in trade courses.

Subjects Required and Accepted for Admission

Of the units required for admission from high school, certain ones are required while others are elective. The following represents the distribution of these units:

(Required)

English	3 units
Mathematics	2 units
*History and Civics	2 units
Natural Science (with laboratory)	1 unit

(Elective)

Foreign Languages	2 units
Social Studies	1-2 units
Natural Science	2-4 units
Music	1-2 units
Agriculture	1-2 units
Commercial Subjects	1-2 units
Home Economics	1-2 units
Industry	1-2 units

*Study of United States and Texas Constitutions.

EXPENSES

Tuition is free to all students; the following fees are required of all students, subject to change:

WOMEN—To be paid on entrance:

Matriculation Fees	\$28.00
Uniform	12.00
Maintenance, Sept. 19 to Sept. 30.....	7.20
Key Deposit50
Laboratory Fee (required of all students who take science).....	4.00
Total.....	\$51.70

MEN—To be paid on entrance:

Matriculation Fees	\$28.00
Uniform	20.00
Maintenance, Sept. 19 to Sept. 30.....	7.20
Key Deposit50
Laboratory Fee (required of all students who take science).....	4.00
Total.....	\$59.70

Board and Maintenance

Maintenance for each successive month, payable strictly in advance, is \$18. This amount falls due on the first of each month and those who do not meet their dues promptly are subject to suspension. The following regulation is rigidly enforced:

"All students who fail to settle obligations to the college by the 10th. of each month and whose names appear on the delinquent list will be assessed a delinquent fee of \$1.00. In addition to the fee they will be dropped from classes and will be required to withdraw if settlement is not made by the close of business on the 15th. of the month."

Laboratory Fees

General Chemistry	\$4.00	High School Physics.....	\$4.00
Organic Chemistry	4.00	College Physics	4.00
Qualitative Analysis	2.00	High School Biology.....	4.00
Quantitative Analysis	2.00	College Biology	4.00

N. B.—Personal checks will not be accepted.

Nurses

The applicant is required to pay an entrance fee of \$89.00. This amount covers the cost of matriculation and laboratory fees, uniform and text books for the first year only. The expense for the second year will be about \$24.00 to cover the cost of uniform and books. The third year will cost about \$30.00. Funds to cover the above expenses must be deposited on September the first.

Tuition for Music

Piano, two lessons a week, \$3.00 a month of four weeks, including use of piano for practice.

Voice, two lessons a week, \$3.00 a month of four weeks, including use of piano for practice.

Late Matriculation

All students who matriculate by September 21, 1932, will pay a matriculation fee of \$28.00. After that date, the fee will be \$29.00.

Deductions and Refunds

No deductions will be made for entrance within seven days after the opening of the term, nor will there be any refunds for the last seven days of a term or the last seven days paid for. Registration, incidental, medical and sanitation, lecture and entertainment fees will, in no case be refunded.

Fees for Certificates and Diplomas

Trade Certificates are issued upon payment of \$1.00 (optional). Cost of College Diploma and degree is \$7.50 (optional).

Extra Examination Fee

A fee of \$1.00 will be charged for all deficiency and extra examinations, effective September 1, 1931.

Change in Schedule Fee

After schedule has been approved by the division in which the student is taking his work a charge of \$1.00 will be made for each subject changed.

Transcripts of Records

The policy of the institution is to supply the student with one transcript of his record free, with a charge of \$1.00 for each additional transcript which he may desire.

TEACHERS' CERTIFICATES

Freshman Class

The Texas school law provides that those who complete the work of the Freshman Class in a teachers college of Texas, including six semester hours in English, six semester hours in Education, and eighteen semester hours in at least two other subjects, may receive an elementary certificate valid for four years. The work is largely elective, but those who desire an elementary certificate must include in the work Education 113, 123 and English 113, 123.

The four-year elementary certificate authorizes the holder to con-

tract to teach in grades one to seven inclusive in any public school of Texas.

The two-year high school certificate authorizes the holder to contract to teach in any public school of Texas with the exception of the high school department of first and second class schools.

Sophomore Class

The completion of the work of the Sophomore Class in any teachers college of Texas entitles the students to an elementary permanent certificate, or a high school certificate, valid for four years, depending upon the courses pursued. The general requirements for the Sophomore certificate are as follows: English, 12 hours; Elective, 36 hours (see degree requirements); Physical Education, 4 terms of eighteen weeks each.

Those who desire the permanent elementary certificate must meet the requirements of the special elementary curriculum.

Those who desire the four-year high school certificate must include in their work Education 293. The holder of the four-year high school certificate is authorized to contract to teach in any department of any public school of Texas.

Junior Class

Those who complete the work of the Junior Class may be recommended for a six-year high school certificate of the first class, provided this work includes three courses in Education, one course bearing upon training for high school teaching, and provided further, there must be included thirty-six clock hours of practice teaching.

Senior Class

Those who receive the bachelor's degree may also receive a high school permanent certificate provided they have included in their work four courses in Education with at least two courses bearing upon high school teaching and study of methods and observation.

Extension of Certificate

Texas Certificates may only be extended upon work done during the summer in which certificates expire.

REGISTRATION, CLASS ATTENDANCE, ETC.

Order of Registration

Report to:

1. Hospital—Every student must pass a complete physical examination.
2. Dean of Women—Uniform for girls; Dean of Men—Uniform for boys.
3. Chapel for class assignments and general information.

4. Treasurer's Office for payment of fees, etc. Registration is not complete until all fees are paid. Delay in presentation at Fiscal Office subjects one to the late registration fee and possibly exclusion from the College.

(NOTE: Students who are not going to board and lodge in the dormitories must get a special signed permit from the Principal before going to the Treasurer's Office).

5. Dean of Women or Dean of Men for permanent room assignments.
6. Report to classes as per schedule.

Classification

Students who have credit for thirty-two hours are classified as sophomores; those having sixty-four credit hours are classified as juniors; and those having ninety-six hours' credit are classified as seniors. One hundred twenty-eight hours are required for a degree.

Conflicts

No student will be permitted to carry conflicting subjects. If a student has a conflict he will be held responsible for not reporting same immediately to the director of the Division in which he is pursuing his work.

Adding and Dropping Courses

After the first registration for the session a student may add a course only with the approval of his director. No course may be added after the tenth working day of any semester. Adds and drops must be attended to in person and not by mail or a friend. The total number of hours must not become less than twelve. A student who drops a course after the first ten days of either term for any cause other than withdrawal from the College, is, at the discretion of the director, given an "E" in the course for the term. To drop a course officially requires the consent of the student's director; to drop a course unofficially (and persistent absence from class amounts to dropping) means to sever one's connection with the College.

Assignments

No student shall be enrolled in class in any subject before receiving an assignment card, and no assignment card is complete until it is approved by the student's classifying officer and stamped by the College Treasurer. A student is not assigned any subjects later than seven days after the opening of school without special permission.

A student desiring assignments to make up deficiencies by outside study must have the written consent of the Committee on Registration.

Course Numbers

The numbers used for designating courses are uniform for all divisions and departments of the college. Reckoning from left to right

the first arabic numeral following the name of the subject indicates the year in which the course is to be given; the second numeral indicates the semester, and the third numeral indicates the semester credit. (Note: Odd numerals indicate first semester; even numerals indicate second semester.)

Undergraduate Class Attendance and Absence

Regular and punctual attendance upon classes, laboratories, and other exercises at which the student is due, is required. Any student who is absent more than nine times, for any cause, from any course which meets three times per week shall receive no credit for the same. Any student who is absent more than six times, for any cause, from a course which meets twice per week shall receive no credit for the same. Any student who is absent more than three times, for any cause, from a course which meets once a week shall receive no credit for the same. Any student who cuts a class more than the number of times that the class meets per week shall suffer a reduction of grade for each two cuts, e. g., a student who earns a grade of "A" and has two extra over cuts shall be given "B", and so on. Any student who is absent from a class must present an admit approved by his director before he will be admitted to class again. Absences due to late registration count as though the student registered at the beginning of the term.

Dropping from rolls because of absences—persistent absence from classes, laboratories, or other exercises(including required physical training) at which the student is due, shall be sufficient cause for dropping him from the rolls of the college.

Failing to Pass

Any student who, at the first intra-semester report, fails to make a passing grade in 50 per cent of the hours in major courses for which he is registered, will be placed under "Special Observation"; if, at the end of the semester such student still fails to pass in 50 per cent of the hours in major courses for which he is registered, he shall be dropped from the institution for at least one semester. This shall not apply when a student fails to make a passing grade in all his major courses. In such a case the student must withdraw from the institution immediately.

Return after Failing to Pass

If a student, who has once been dropped for failing to pass as outlined above, returns after the lapse of at least one semester and again fails to pass in 50 per cent of the hours in major courses for which he is registered, at the end of the semester he shall be dropped permanently from the institution.

Application of Rule

The foregoing requirements and the rules governing "special observation" and "final trial" apply to all students, and the director is

without discretion except in the case of mature students over 25 years of age.

Class Attendance

The College expects, and has a right to expect that a student on "special observation" or "final trial" will attend classes with unfailing regularity, will be very punctual in reports and other written work, and will make every effort to show marked improvement in his courses. A failing student unwilling to put forth every effort to keep up with his classes should be withdrawn from the College. In case of illness or other imperative reasons for absence, a student should file a written explanation of each absence with the Director of his Division to be entered upon his record card.

EXAMINATIONS

Exemptions from examinations will not be given. During the last seven days of each semester before examinations, no written examination or review shall be given; and all essays, theses, synopses, and the like, will be given in before this period begins. In all examinations, account is taken of the student's use of English.

Absence from Examinations

A student who is not on final trial and who is compelled to be absent from a semester examination on account of sickness or other imperative causes, should petition his Director—beforehand if at all possible—for permission to postpone the examination. This permission must be presented in writing to the teacher who is to give the examination and submitted by the teacher with the grade to the Registrar's Office.

A student absent from a semester examination without the Director's permission is graded "E" and required to repeat the semester's work if he desires credit for it. Absence from a postponed, condition, or advanced standing examination, after once a permit has been granted, will have the same effect as failure, unless the student presents to the Director of his Division within a week after the date set for the examination a satisfactory excuse for his absence.

Incomplete Class Work

A student who is compelled to delay beyond the end of the semester the completion of the class work of the semester on account of sickness or other imperative cause, should, in person or through a friend, petition the Director—beforehand if at all possible—for permission to delay the work. If this permission is granted—and it will not be granted to students because of taking more than fifteen hours a week—the work may be finished within a year and credit for it given at the discretion of the instructor. A student whose work is reported incomplete without the Director's permission is graded "E."

Posponed Examinations

An examination officially postponed may be taken within a year of the date from which the examination was postponed in any one of the series prepared therefor, or with the next class in the same course, provided the student petitions the Registrar as required below. Postponed examinations are held in regular series on dates scheduled for the same. Applications for examinations in the respective series must be in the Registrar's Office not later than two days before examination is given.

Condition Examinations

An examination to remove a course condition, grade of "E", may be taken on one of the days appointed for this purpose or with the next class in the same course. It must be taken not more than twelve months after the condition was received. If a passing mark is made the term grade then becomes "D". A student who fails to pass a condition examination forfeits thereby the right to ask for another examination in that subject and must take that semester's work over to secure credit for it. (After the regular session 1931-1932 "D" will be the lowest passing grade).

The student must make application to the Registrar for a condition examination just as in the case of postponed examinations. This permission must be filed in the Director's Office on the days specified on the schedule and the Director will notify the teacher to give said examination.

REPORTS AND CONFERENCES

Semester Reports From the Registrar

Reports are sent out to parents and guardians at the end of each semester for all students in the College. Self-supporting students over 21 years of age, if they request in writing, may have their reports sent to them instead of to their parents.

Intra-Semester Reports

On November 1, December 15, March 19, and May 1, reports are sent for students doing work below the passing grade, both to the students themselves and to their parents or guardians.

Conferences

The Directors will confer with all students in the College who are doing unsatisfactory work, both at the intra-semester dates and at the end of the semester. The object of these conferences will be to advise with the student for his improvement.

GRADES

Reports of Grades

Teachers will report within four days after the close of any semes-

ter or summer session class tickets for all students in their classes with the grades earned by each, recorded on the tickets. In addition to the tickets, teachers will also pass to their directors, on blanks furnished, duplicates of all grades furnished the Registrar.

In the case of Seniors who are candidates for graduation at either the regular session or summer session the grades are due in the Registrar's Office within two days after the close of the examination period. Final examinations are required and the graded papers together with the examination questions are to be deposited in the Principal's Office. The Record Books bearing the complete records of all students taught showing dates of absences, withdrawals, and cumulative records are to be deposited with the class tickets in the Registrar's Office.

Grading System

The grading symbols are: A (95-100); B (85-94); C (75-84); D (65-74); E (60-64); F (below 60); I (Incomplete). Grades of "I" can become passing grades by completing the work prescribed by the instructor. A grade of "I" means that some relatively small part of the session's work remains undone because of sickness or other unavoidable reasons. "F" is a failure. Credit for a course in which "F" is given can be secured only by repeating the course. "W" is given when a student withdraws from class by change or withdrawal card.

Special Honors

"Special Honor" may be awarded to the student who distinguishes himself in his major field on concentration. Such honor is awarded on the recommendation of the department under whose direction the work is pursued.

Honors and Awards

The honor list is made up of all students who distinguish themselves in scholarship. Students who win three "A's" in major subjects, provided they have no grade in minor subjects below "B", are assigned to the first group on the honor roll. Those who win two "A's" in major subjects and have no grade below "B" in the other major subjects and no grade below passing standard in any major subject will be assigned to the second honor roll.

REQUIREMENTS FOR DEGREES

Grade Points

For a grade of "A" in any subject, three times as many points will be given as there are hours in the course; for a grade of "B", twice as many points; and for a grade of "C", the same number of points. No other grades yield grade points. 128 grade points are required for graduation.

the Council. New members are chosen on a basis of the Honor Roll sent out from the Office of the Dean.

Beta Pi Chi.—An honorary scientific society in which membership is based on high scholarship in Natural Science. The society elects to membership from the sophomore class each year a limited number who give promise of becoming investigators in the various branches of science.

Sigma Nu Debating Society.—Organized to promote the art of debating as a means of stimulating intellectual interests in some of the great questions before the country today.

The Charles Gilpin Dramatic Club.—Organized in 1929 by the Department of English, is open to all students of the college. The club offers to its members and co-workers opportunities in the arts and crafts of the theatre.

The Panther.—Student publication which is published monthly by the students of the college.

THE ALUMNI AND EX-STUDENT ASSOCIATION

The Alumni Association was organized in 1901. In 1928 the name was changed to The Prairie View College Alumni and Ex-Student Association. Graduates and all ex-students who have been honorably dismissed from the College are eligible to membership.

The Association meets at the end of the regular session on Saturday before Commencement and at the end of the summer session. The officers are: Hobart Taylor, President, 409-11 Smith Street, Houston, Texas; Thomas L. Holley, Vice-President, 1547 E. Crockett Street, San Antonio, Texas; Napoleon B. Edward, Executive Secretary, Prairie View College, Texas; R. T. Tatum, Treasurer, 711 Poplar Street, Beaumont, Texas.

RELIGIOUS INFLUENCES

While no particular denominational influence is exerted at Prairie View College, the authorities of the institution are thoroughly committed to the benefits of religious training. A chaplain is regularly selected from the faculty to have charge of religious activities of the College community which include Sunday School each Sunday morning, a weekly Sunday morning sermon by the chaplain or invited clergyman, a Vesper Service at 7:30 on Sunday evenings, and weekly Prayer Meeting on Wednesday evenings. Students' attendance is required at Sunday morning sermon and at Vesper Service.

Y. M. C. A.—The Young Men's Christian Association supplies, in a large measure, spiritual, moral and physical aid to the young men of the college. At present a reading-room is provided where one may find many of the best magazines and periodicals.

Applying for a Degree

A candidate for a degree should register in the College, and should apply for the degree not later than May 1 for the Long Session or July 1st for the Summer Session.

To apply for a degree the applicant must:

(a) File with his director a "Degree Card." This card will be filled out in the Registrar's Office upon request of the applicant.

(b) Register in the College with his director and must not withdraw before graduation.

(c) Fill out a "Diploma Card" and get his director to sign it.

In advising and registering students, the director and his assistants try to prevent errors. Avoidance of errors is the main purpose of the Degree Card. However, the student himself is expected to remember that graduation is attained according to some one catalogue and is expected to study the requirements set forth in that one catalogue and to register in accordance therewith; and he finally registers at his own risk alone.

DISCIPLINE

The object of discipline at the College is to secure the best conditions for scholarship and moral conduct. If it becomes apparent that any student by misconduct or by neglect of studies is doing harm to himself, he is then subject to disciplinary action as the judgement of the discipline committee may think expedient.

ATHLETICS

The Athletic Department projects two distinct programs, the Varsity or Inter-collegiate program, and the intramural program. The Varsity program includes football, baseball, basketball, track and tennis. The sports are under the supervision of instructors who have been outstanding in their particular fields.

The Intramural sports are largely conducted by students and include tennis, volley-ball, basketball, baseball, football, indoor baseball, and track. At the close of the Intramural season, there is staged a field day at which all of the classes participate.

STUDENTS SOCIETIES AND ORGANIZATIONS

Agricultural Club.—All students interested in agriculture are eligible to membership in the Agricultural Club. The object of the organization is to encourage sound economic thinking and to promote general interest in agriculture.

Alpha Pi Mu Honorary Society.—Open for men and women of the college who have achieved such record in scholarship as is outlined by

Special Requirements for Seniors

All seniors are required to pass a standard test in English grammar and a special test in Arithmetic, before they will be approved for graduation. Drill classes are open to those who fail to pass these tests.

Thesis Requirement

Every candidate for the Bachelor's Degree must write a thesis or an essay on some practical topic or project in the field of the major subject. The essay must be typewritten, double-spaced, on plain white bond paper, and must be approved by the head of the department (under whose advice it has been written) and two copies, original and first carbon, filed in the Director's Office not later than April 15 of the academic year in which the degree is to be conferred. Candidates for the degree at the Summer School convocation must file their thesis before August 1.

Graduation Honors

Students who maintain a standing in the first group on the honor list for a period of six semesters will be graduated "With Great Distinction." Students who maintain a standing in the second group will be graduated "With Distinction," provided that such standing is for a period not less than six semesters.

General Requirements

The requirement in semester hours for all bachelor's degrees is 128. No honorary degree will be conferred by the College. No degree will be conferred except publicly on Commencement Day at the end of the long session or at the end of the summer session.

Every candidate is expected to attend in person the Commencement at which his degree is to be conferred unless absent for a good cause, in which case he will petition the Principal at least one week in advance, giving the reason for absence and providing address and postage for mailing diploma.

No degree will be conferred without residence in the College of at least two long session semesters or three summer session terms and the completion in residence of at least thirty semester hours of work counting toward the degree.

No second bachelor's degree will be conferred until the candidate has completed at least twenty-four semester hours in addition to those counted toward his first bachelor's degree.

At least twenty-four of the last thirty semester hours offered for an undergraduate degree must be taken in the College.

Of the courses offered for any undergraduate degree, at least six semester hours in advanced courses in the major subject must be completed in residence at the College.

Y. W. C. A.—The purpose of the Young Women's Christian Association is to unite the women of the institution in loyalty to Jesus Christ. Bible training classes are conducted under the auspices of the association for the training of teachers for Sunday School work. Every afternoon the Y. W. C. A. Reading-room is open for all girls.

ANNUAL PRIZES

Prizes will be awarded for excellence in scholarship and certain literary attainments.

In 1931-1932 the Odd Fellows gave a sum of \$5.00 to be applied as a prize in whatever manner directed by the Administration of Prairie View.

The Committee on Prizes felt it advisable to substitute this prize for the prize formerly known as the O. P. DeWalt Medal which was granted for excellence in debating. Hereafter this will be known as the Odd Fellows Prize.

THOMAS MEDAL.—The Hobart Thomas Medal is awarded annually to the winner in the Girls' Declamation Contest.

V. G. GOREE MEDAL.—The V. G. Goree Medal with a value of \$15 is awarded each year at Commencement to that student in the college selected by popular vote of the student body and approved by the Executive Cabinet, who makes the greatest contribution to the college during the year.

THE PHI BETA SIGMA PRIZE.—A prize of \$10.00 to be known as the Phi Beta Sigma Prize will be awarded the student who has made the greatest contribution to Prairie View State College during a residence of three years.

Outline and Description of Courses of Study

THE UNIT OF CREDIT

The unit of credit at Prairie View State Normal and Industrial College is the semester hour. A semester hour represents one recitation or lecture hour, per week, for eighteen (18) weeks. Two laboratory, practice or demonstration hours represent the equivalent of one recitation or lecture hour.

The following illustrations offer a key to the figures in parenthesis following descriptive titles and numbers of courses:

- (A) EDUCATION 113 (3-0)
 "(3-0)" indicates that three lecture or recitation and no laboratory hours will be given weekly.
- (B) PHYSICAL EDUCATION 112 (0-4)
 "(0-4)" indicates that four practice and no recitation or lecture hours will be given weekly.
- (C) CHEMISTRY 114 (2-4)
 "(2-4)" indicates that two lecture or recitation hours and four laboratory or practice hours are given weekly.

DIVISION OF AGRICULTURE

L. A. Potts, B. S., Director

E. B. Evans, D. V. M.	W. R. Harrison, M. S.
C. H. Banks, B. S.	G. L. Smith, B. S.
S. H. Settler, B. S.	J. M. Alexander, B. S.
J. C. McAdams, B. S.	

DEPARTMENT OF INSTRUCTION

This department offers a four-year course leading to the degree of Bachelor of Science in Agriculture. The entrance requirements for this course are the same as for the other divisions of the college. The work in this department centers around instruction and practice in animal husbandry, crops, soils, horticulture, rural engineering, rural economics, rural sociology, veterinary science, rural education, and extension service. In addition to subjects purely agricultural, the student is given balanced instruction in professional and vocational subjects, and the sciences closely related to agriculture. (See requirements for admission)

GRADUATION REQUIREMENT

One hundred and twenty-eight (128) semester hours of work must be completed as outlined in the course of study for the division, before a degree of Bachelor of Science in Agriculture is granted.

SUMMER SESSION

The courses in the Summer Session are offered to meet the needs of those who are engaged in teaching vocational agriculture or home economics. Special attention is given to methods of teaching vocational agriculture, terracing, farm shop work, veterinary science, and thorough training in technical agriculture subject matter. The courses offered are of a collegiate grade and can be applied toward the degree of Bachelor of Science in Agriculture.

OUTLINE OF COURSE OF STUDY IN AGRICULTURAL EDUCATION

FRESHMAN

First Semester		Sem. Hrs.	Second Semester		Sem. Hrs.
English, 113	(3-0)	3	English, 123	(3-0)	3
Composition & Rhetoric			Composition & Rhet.		
Mathematics, 113	(3-0)	3	Mathematics, 123	(3-0)	3
Math. Analysis			Math. for Ag. Studn'ts		
Chemistry, 114	(2-4)	4	Chemistry, 124	(2-4)	4
Inorganic Chemistry			Qualitative Analysis		
Animal Husb., 112	(1-2)	2	Animal Husb., 123	(1-2)	2
Market Classes			Feeds & Feeding		
Veterinary Science, 112	(1-2)	2	Veterinary Sc. 123	(1-2)	2
Anatomy & Physiology			Anatomy & Physiol.		
History, 112	(2-0)	2	Infantry, 121	(1-2)	1
Constitution of U. S. & Tex.			Military Training		
Infantry, 111	(1-2)	1			

SOPHOMORE

English, 213	(3-0)	3	English, 223	(3-0)	3
Public Speaking			Journalism		
Animal Husb., 213	(2-2)	3	Animal Husb., 223	(2-2)	3
Poultry Production			Poultry Diseases, Insects,		
Chemistry, 214	(2-4)	4	their control		
Organic Chemistry			Chemistry, 224	(2-4)	4
Science, 214	(2-4)	4	Quantitative Analysis		
General Zoology			Science, 224	(2-4)	4
			Agricultural Botany		

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
Horticulture, 212	(1-2) 2	Horticulture, 222	(1-2) 2
Fruit Growing		Vegetable Growing	
Infantry, 211	(1-2) 1	Infantry, 221	(1-2) 1
Military Training		Military Training	

JUNIOR

Agronomy, 313	(2-) 3	Agronomy, 323	(2-2) 3
Cotton, Corn & Small Grain.		Soil Fertility	
Science, 313	(2-2) 3	Science, 323	(2-2) 3
Gen. Bacteriology		Genetics	
Education, 313	(3-0) 3	Education, 323	(3-0) 3
Classroom Management		The study of Ru. Schools	
Animal Husb., 312	(1-2) 2	Animal Husb., 322	(1-2) 2
Farm Dairying		Farm Dairying	
Animal Husb., 332	(1-2) 2	Animal Husb., 342	(1-2) 2
Farm Meats		Farm Meats	
Swine Production		Rural Eng., 322	(1-2) 2
Rural Eng'ning., 312	(1-2) 2	Farm Shop	
Farm Shop		Infantry, 321	(1-2) 1
Infantry, 311	(1-2) 1	Military Training	
Military Training			

SENIOR

Education, 473	(3-0) 3	Rural Econ., 423	(3-0) 3
Special Methods		M'k'ing. Ag. Products	
Rural Econ., 413	(3-0) 3	Science, 422	(1-2) 2
Ru'l Org'n. & Problems		Field control of Insects	
Science, 412	(1-2) 2	Science, 442	(1-2) 2
Plant Physiology		Entomology	
Science, 432	(1-2) 2	Farm Man'gmt., 422	(2-0) 2
Entomology		Management of successful Texas Farms	
Farm Man'gmt., 412	(2-0) 2	Education, 493	(1-4) 3
Product of Crops and Animals		Observation & Practice Teaching	
Military Sc., 411	(1-2) 1	Military Sc., 421	(1-2) 1
Military Science		Military Science	

DESCRIPTION OF COURSE OF STUDY

AGRONOMY 313, 323.—Cotton, Corn and Small Grain Production—(2-2) Credit 3, each semester.

A thorough study of these crops, including the growing, harvesting,

marketing and uses. Second Semester—Soil Fertility: Formation of soils and the general principles of fertility, including the physical chemical and bacteriological factors affecting crop production and plant nutrients; depletion, maintenance, and methods of perfecting a system of permanent agriculture.

ANIMAL HUSBANDRY 112, 123.—Types and Market Classes of Live-stock—(1-2) Credit 2, each semester.

Judging types carcasses, markets and market classification. Second semester—Feeds and Feeding: Composition and digestibility of feeding stuffs, physiology, preparation, feeding standards, and calculation of rations.

ANIMAL HUSBANDRY 213, 223.—Poultry—(2-2) Credit 3, each semester.

Scope of the industry, breeds, feeding, housing, sanitation, culling, incubation, brooding, marketing and caponizing. Second semester—Poultry Diseases, Parasites and Their Control: A study of efficient disinfection of incubator, effective method of cleaning brooder houses, handling of coccidiosis and bacillary white diarrhea infections. Considerable time is given as to how these diseases are recognized and controlled.

ANIMAL HUSBANDRY 312, 322.—Farm Dairying—(1-2) Credit 2 each semester.

Secretion, composition, testing and separation of milk; the farm manufacture of butter, ice cream and cheese. Second semester—Consideration is given to the general management problem of large and small herds, beginning a dairy herd; feeding and fitting animals for show and sale.

ANIMAL HUSBANDRY 312, 322.—Farm Dairying—(1-2) Credit 2, each semester.

This course comprises a systematic study of the economical methods of growing swine for the market and home use. The work includes practice in feeding, management and housing of swine. Second semester: Farm Meats: Killing, cutting and curing of farm meats.

HORTICULTURE 212, 222.—Fruit Growing—(1-2) Credit 2, each semester.

A study of the principles of fruit growing with special reference to Texas conditions; including location, varieties, soils, fertilizers; planting and cultural methods; pruning, spraying, harvesting and storing. Second semester—Vegetable Growing: A study of the principles of successful vegetable gardening in the South with special reference to home gardening and canning.

EDUCATION 493.—Observation and Practice Teaching in Agriculture—(1-4) Credit 3. I or II.

The student participates in conducting class exercises and the control of the classroom at first as an observer, but gradually entering into teaching responsibilities until he takes complete charge. This work is confined to teaching high school students.

RURAL ECONOMICS 421, 422.—Farm Management—(2-0) Credit 2, each semester.

A study of farm planning; choosing a farm; farm labor and equipment; farm tenantry; cropping and feeding system and production costs. Second semester: Special emphasis placed on Management of Texas farms.

EDUCATION 473.—Special Methods in Agriculture—(3-0)—Credit 3. I or II.

Courses of study; lesson plans; equipment, reference books, yearly, outlines and surveys are some of the subjects considered in this course. At least two weeks of second semester will be devoted to extension methods.

RURAL ECONOMICS 413.—Organization and Problems—(3-0) Credit 3.

Forces and factors in rural progress; the development and adaptation of rural institutions and organizations.

RURAL ECONOMICS 423.—Marketing—(3-0) Credit 3.

Principles underlying the successful agencies, legal rights and obligations arising out of marketing transactions, the middle man, special marketing problems and the present marketing system.

SCIENCE 412.—Plant Physiology—(1-2) Credit 2.

Principles of absorption, conduction, transpiration, photosynthesis, respiration, growth, movement and reproduction.

SCIENCE 422.—Plant Pathology—(1-2) Credit 2.

Discussion of the nature, cause, and control of diseases of field and orchard.

SCIENCE 432.—Economic Entomology—(1-2) Credit 2.

A study of the life histories and methods of control of the chief economic species of insects.

SCIENCE 442.—Entomology—(1-2) Credit 2.

Field control of insects on the college and community farms.

SCIENCE 323.—Genetics—(2-2) Credit 3.

See Division of Arts and Sciences. (Biology 404).

VETERINARY SCIENCE 112, 122.—Anatomy and Physiology—(1-2) Credit 2, each semester.

A study of the anatomical and physiological structure, the digestive respiratory and genito-urinary organs of the horse, ox, sheep, pig and chicken; the more common diseases of farm animals and their prevention.

The Division of Agriculture has all necessary modern equipment for instruction in the following subjects:

1. ANIMAL HUSBANDRY—Livestock, Poultry, Dairying.
2. CROPS AND SOILS—Field Crops, Soils, Horticulture.
3. VOCATIONAL AGRICULTURE—Farm Shop, The School Farm
4. VETERINARY SCIENCE

DIVISION OF ARTS AND SCIENCES

The Division of Arts and Sciences has for its objective the provision of the means to a liberal education. The Division offers a wide variety of courses in Biology, Chemistry, Economics, English, History, Mathematics, Music, Philosophy, Physics, Political Science, Sociology and Foreign Languages.

The first two years' work affords the student an opportunity to survey some of the general fields of the natural and social sciences, language and literature, and to perfect the tools required in more advanced studies. It aims to lay a substantial foundation upon which the student may build his professional training, particularly in Law, Medicine, and Dentistry, or proceed to the more intensive work which a liberal education implies. During the last two years of college work, a considerable degree of concentration in a major field is required, though ample opportunity is given for cultivating related interests or pursuing studies which do not fail within the field of the student's major.

Bachelor of Arts

The degree of Bachelor of Arts is conferred upon all candidates who satisfy all the general requirements for graduation and satisfactorily complete the major work in English, the Social Sciences or Music.

Bachelor of Science

The degree of Bachelor of Science is conferred upon candidates who satisfy all the general requirements for graduation and satisfactorily complete the major work in the Natural Sciences, Mathematics, or Physical Education.

Bachelor of Science in Education

The degree of Bachelor of Science in Education is a technical degree conferred on candidates who satisfy all the general requirements for graduation and complete the major work in Education or Physical Education.

Distribution of Work for the Bachelor's Degree

Of the one hundred and twenty-eight semester hours, eighty are prescribed and forty-eight are semi-elective. The prescriptions are distributed among the following departments:

A. Departmental Requirements

- | | |
|---|-------------------|
| a. English | 12 semester hours |
| *b. Education. | |
| c. Social Sciences (including History)..... | 6 semester hours |
| d. One Foreign Language | 12 semester hours |
| e. Science or Mathematics | 12 semester hours |

*See state requirements for certificates, page 21.

- f. Physical Education or Military Science..... 8 semester hours
 g. Mathematics 6 semester hours

NOTE.—Some work in industrial arts is required in excess of the requirements for the degree or certificate.

Music

- Major Subject40 semester hours
 English12 semester hours
 Education24 semester hours
 Foreign Language12 semester hours
 Social Science 6 semester hours
 Other musical courses16 semester hours
 Electives10 semester hours
 Physical Education or Military Science..... 8 semester hours

All other requirements for graduation and scholastic standing are the same as stated in the catalog for other courses.

B. Major and Minor Requirements

After the Sophomore year every student with the advice of the director and department head selects for his field of concentration or specialization one of the major departments of the school. A "major" at the present time is restricted to the fields of English, Education, Sociology, Economics, Chemistry, Biological Sciences, Mathematics, Music and Physical Education, and consists of not less than eighteen semester hours and not more than thirty above the sophomore year. The student must select for his "minor" a subject or field allied to his "major" and complete therein at least twelve semester hours above the sophomore year.

Selection of Courses

First and second-year students in the Division of Arts and Sciences, whether candidates for degrees or not, are required, unless specially excused by the Registrar before registration, or by the Director of the Division of Arts and Sciences after registration, to take the work laid down for regular freshmen and sophomores. See the section of the Catalogue on "Requirements for Degrees." None of the requirements so laid down may be abrogated, and a postponement of any may be secured only for cogent reason on petition to the Registrar before registration, to the Director of the Division of Arts and Sciences after registration.

OUTLINE OF COURSES IN THE DIVISION OF ARTS AND SCIENCES FOR B. A. AND B. S. IN EDUCATION DEGREES

FRESHMAN

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
English, 113	(3-0) 3	English, 123	(3-0) 3
Composition		Composition	
Education, 113	(3-0) 3	Education, 123	(3-0) 3
Intro. to Ed. and Tch.		Prin. of El. Sch. Subj'ts.	
Foreign Lang., 113	(3-0) 3	Foreign Lang., 123	(3-0) 3
El. Fr., Span. or Germ.		El. Fr., Span. or Germ.	
*Physical Ed., 111	(0-2) 1	*Physical Ed., 121	(0-2) 1
Freshman Practice		Freshman Practice	
Military Sc., 111	(1-2) 1	Military Sc., 121	(1-2) 1
Infantry		Infantry	
Mathematics, 113	(3-0) 3	Mathematics, 123	(3-0) 3
College Algebra		Plane Trigonometry	
**History, 113	(3-0) 3	**History, 123	(3-0) 3
Early & Late Mod. Eur. His.		Early & Late Mod. Eur. His.	
**Science, 114	(2-4) 4	**Science, 124	(2-4) 4
Inorg. Chem. or Biology		Inorg. Chem. or Biol.	

*For women students only.

**Students must take one of the two subjects.

SOPHOMORE

English (Elective)	(3-0) 3	English (Elec.)	(3-0) 3
Education (Elec.)	(3-0) 3	Education (Elec.)	(3-0) 3
Foreign Language	(3-0) 3	Foreign Language	(3-0) 3
Fr., Span., or Germ.		Fr., Sp., or Germ.	
Physical Ed., 211	(0-2) 1	Physical Ed., 221	(0-2) 1
Sophomore Practice		Sophomore Practice	
*Electives	6	*Electives	6

*Two electives from following group: Natural Science, History, Mathematics, and Philosophy.

JUNIOR AND SENIOR

Military Science 311, 321, 411, 421	4 Sem. Hrs.
Advanced Infantry	
Major Subject	18 Sem. Hrs.
Minor Subject	12 Sem. Hrs.
Electives	30 Sem. Hrs.

Majors or Minors may be completed in the following departments: English, Education, Music, Social Science, Chemistry, Zoology, Physical Education (for women), Foreign Language.

DEPARTMENT OF COMMERCE

Matilda E. Morris, Acting Head

The department aims to train efficient and accurate clerks, stenographers and secretaries. Two years of special training in shorthand and typing together with English are required to complete the work leading to the Commercial certificate. A fee of one dollar (\$1.00) per month is charged all students in the department for the use of typewriters.

Description of Courses

COMMERCE 113, 123.—Shorthand. (0-6) Credit 3 each semester. A study of the fundamental principles; practice for speed. Speed at end of course is seventy-five words a minute.

COMMERCE 133, 143.—Typewriting. (0-6) Credit 3 each semester. Makes use of the Touch System and emphasizes speed and accuracy. Speed at end of course is fifty-five words a minute.

COMMERCE 213, 223.—Advanced Shorthand. (0-6) Credit 3 each semester.

COMMERCE 233, 243.—Advanced Typewriting. (0-6) Credit 3 each semester.

Exercise in mimeographing, tabulation, graphing and billing. Speed at end of course is eighty words a minute.

DEPARTMENT OF EDUCATION

W. A. Perry, A. B., Head

Susie E. Pinckney, A. B. Gladys E. Thompson, M. A.

Thomye Collins, B. S. in Ed. Virginia R. McDonald, A. B.

P. E. Bledsoe, B. S., Ph. B. J. Adelaide Walker, A. B.

Edwyna H. Randals, M. A. in Ed. Henrietta Brogwell, A. B.

George W. Reeves, M. A.

The aim of this department is primarily to train teachers for the public schools of the state. Differential curricula designed to meet the fundamental needs of kindergarten-primary, elementary, and high school teachers are offered. Courses for principals and teachers in service are given in the summer session.

For Kindergarten-Primary and Elementary Teachers

EDUCATION 113.—Introduction to Education and to Teaching (3-0) Credit 3. I.

An introductory course to the study of education setting forth certain principles of teaching. Required of all Freshmen.

EDUCATION 123.—Principles of Elementary School Subjects. (3-0) Credit 3. II.

EDUCATION 213.—Materials and Methods of the Kindergarten-Primary Grades. (3-0) Credit 3. I.

Some materials used in the education of young children. Sand, clay, and cardboard are used together with materials for sewing and weaving.

EDUCATION 223.—Kindergarten Plays and Games. (3-0) Credit 3. II. To develop an appreciation for the value of play by the teaching of plays and games suitable for young children.

EDUCATION 233.—Elementary School Methods. (3-0) Credit 3. II. Methods and procedures for the teaching of the intermediate and grammar grades.

EDUCATION 253.—Practice Teaching in the Kindergarten-Primary Grades. (1-5) Credit 3. I or II.

Required of all students enrolled in the kindergarten-primary course. Teaching will be done under the supervision of a critic teacher.

EDUCATION 203.—Observation and Practice Teaching in Elementary Grades. (1-5) Credit 3. I or II.

All observation and teaching done under supervision of critic teacher. Prerequisite: Education 123.

EDUCATION 313.—Classroom Management. (3-0) Credit 3. I.

A course dealing with the problems of classroom organization and control. Prerequisite: Education 123.

EDUCATION 343.—Child Psychology. (3-0) Credit 3. II.

EDUCATION 373.—Rural School Methods. (3-0) Credit 3. I or II. A course in methods, types, technique, and interpretation of rural schools.

For High School Teachers

EDUCATION 263.—Vocational Education. (3-0) Credit 3. II.

EDUCATION 283.—Educational Psychology. (3-0) Credit 3. II.

Education 293.—Principles of Secondary Education. (3-0) Credit 3. I. The social phases of secondary education together with principles and practices involved in curricula and administration of secondary schools.

EDUCATION 333.—Modern Methods in Secondary Education. (3-0) Credit 3. I.

Methods of teaching the high school subjects, and study of selection and organization of subject matter, etc.

EDUCATION 353.—Adolescent Psychology. (3-0). Credit 3. I.

The psychological development of the adolescent boy and girl. Prerequisite: Education 273 or its equivalent.

EDUCATION 363.—Home Economics Education. (3-0) Credit 3. II. Preparation for the student teaching and practicing in planning of courses, lessons, and the observation of model lessons.

EDUCATION 383.—Methods of Teaching in Industrial Education. (3-0) Credit 3. II.

Most effective organization of equipment, and economic ways of securing materials as teaching aids, program planning, discipline, reports and records.

EDUCATION 393.—Principles of Industrial Education. (3-0) Credit 3. I. Study of aims, development, and organization of industrial education in the nation and state.

EDUCATION 303.—Observation and Practice Teaching in High School. (1-5) Credit 3. I or II.

Observation and practice teaching in high school under supervision of a critic teacher.

EDUCATION 401.—Home Economics Problems. (1-0) Credit 1. I or II

EDUCATION 473.—Special Methods in Agriculture. Credit 3. (See Division of Agriculture for description.)

EDUCATION 483.—Practice Teaching in Mechanic Arts. (1-5) Credit 3. II.

Observation and practice teaching under supervision.

EDUCATION 403.—Teaching Home Economics Subjects. (3-0) Credit 3. I or II.

One semester of actual teaching in high school classes under supervision.

EDUCATION 493.—Observation and Practice Teaching in Agriculture. Credit 3.

(See Division of Agriculture for description.)

General Education

EDUCATION 243.—History of Education. (3-0) Credit 3. I or II. The historical development of the elementary school in the United States.

EDUCATION 323.—Rural Sociology. Credit 3. (See Division of Agriculture for description.)

EDUCATION 413, 423.—Elementary Research. (3-3) Credit 3 each semester.

For students majoring in Education.

EDUCATION 433.—Elementary Statistics. (3-0) Credit 3. I. An introduction to the study of statistics and their use.

EDUCATION 443.—Tests and Measurements. (3-0) Credit 3. II. The place of tests and measurements in education; selection and construction of the most commonly used tests and measurements. Prerequisite: Education 433.

EDUCATION 453.—Vocational Education (Smith-Hughes Act). (3-0) Credit 3. I.

Effective training, method of training, training on the job, trade analysis. Special attention is given to the provisions of the Smith-Hughes Act.

EDUCATION 463.—Mental Adjustments. (3-0) Credit 3. II. A study of personality as an intergrated force. The psychology of the unadjusted school child. Prerequisite: Education 353 or its equivalent.

Psychology

PSYCHOLOGY 203.—General Principles of Psychology. (3-0) Credit 3. I. or II.

General principles with particular emphasis on the laws of learning.

PSYCHOLOGY 233.—Social Psychology. (3-0) Credit 3. I. (See department of Sociology.)

PSYCHOLOGY 283.—Educational Psychology. (3-0) Credit 3. II. (See Education 283.)

PSYCHOLOGY 343.—Child Psychology. (3-0) Credit 3. II. (See Education 343.)

PSYCHOLOGY 353.—Adolescent Psychology. (3-0) Credit 3. I.

PSYCHOLOGY 463.—Mental Adjustments. (3-0) Credit 3. II. (See Education 463.)

DEPARTMENT OF ENGLISH

Earl L. Sasser, A. M., Head

William H. Houston, A. M.

Julia A. Greene, B. S.

Ruth I. Clark, A. B.

Gertrude E. Turner, B. S.

A. B. Moore, A. B.

Anna L. Campbell, B. S.

J. Mercer Johnson, A. B.

Course of Study

The course of study in this department is designed to give the student intelligent command of the English language and literature, both as regards theory and practice.

Freshman English requirements must all be satisfied before the student passes on to any of the work of the sophomore year.

For those students, who, by some form of test at the beginning of the term or after trial, are found not to be sufficiently prepared to do the regular work of freshman English, English 100 is provided. No credit toward the degree is given for this work. Any student in the department, whose work in composition falls below that of freshman quality, may be required to do creditable work in English 100.

For a major in English, at least 18 hours of work are required above the sophomore year. Of this work the following courses are required: 313 or 323; 333 or 343; 413 or 423; 353; 363.

DESCRIPTION OF COURSES IN ENGLISH

Courses for Freshmen

ENGLISH 100.—Drill English. I. or II.

Drill exercise in rudiments of English usage. No credit offered toward a degree.

ENGLISH 113.—Composition. (3-0) Credit 3 each semester. Review of grammar and English essentials. Study of models of various types of composition. Emphasis upon written composition.

ENGLISH 123.—Public Speaking. (3-0) Credit 3. II. Introduction to Public Speaking, Debate and Parliamentary procedure.

Emphasis upon practical work of speech construction, organization and delivery. Offered each term. Prerequisite: English 113.

Courses for Sophomores

ENGLISH 213.—The Study of Literature. (3-0) Credit 3. I.
Study of the Standards of literature with a view to the formation of a basis for literary likes and dislikes. Readings from standard classics. For Sophomores in Arts and Sciences. Second term only Prerequisite: 113, 123.

ENGLISH 233.—Journalism. (3-0) Credit 3. I.
Theory and practice in different forms of modern Journalism. Emphasis upon practical work. For Sophomores in the Vocational divisions. Prerequisite: English 113, 123.

ENGLISH 223.—Literature. (3-0) Credit 3. II.
Study of literature by types. For all Sophomores. Second term. Prerequisite: English 113, 123, 213, or 233.

ENGLISH 253.—Usage. (3-0) Credit 3. (For repeaters of Sophomore English.) I.
Composition and mechanics. Offered each term.

Courses for Upperclassmen

Prerequisite to all upperclassmen courses: Creditable completion of Freshman and Sophomore requirements.

ENGLISH 313.—The Drama. (3-0) Credit 3. I.
Brief study of origin and developments through representative types from the Greek to contemporary.

ENGLISH 333.—Public Discussion and Debate. (3-0) Credit 3. I.
Advanced public speaking with chief emphasis upon argumentation and debate, briefing, and practical presentation. (Not offered 1932-33)

ENGLISH 353.—The English Language. (3-0) Credit 3. I.
Study of essential features in the growth and development of the language.

ENGLISH 323.—Shakespeare. (3-0) Credit 3. II.
Brief introduction to Shakespearean drama, the character and conditions of the age. Major emphasis upon study of representative plays. (Not offered 1932-33.)

ENGLISH 343.—Creative Writing. (3-0) Credit 3. II.
Advanced composition. Study of general principles of writing and questions of English Usage. Writing of essays and articles of advanced nature.

ENGLISH 363.—American Literature. (3-0) Credit 3. II.
A survey course. Study of historical influences and literary tendencies through representative selections from chief American writers.

ENGLISH 413, 423.—Nineteenth Century Literature. (3-0) Credit 3 each semester.

Study of the works of the leading English poets and great prose writers,

in relation to the general character and temper of the period. Prose, first term, Poetry, second term. (Only second term course, 403 poetry offered 1932-33.)

ENGLISH 433.—Short Story Writing. (3-0) Credit 3. I.
Study of theory and technique of short story writing. Practical work in sketches and short stories. Open only upon recommendation of instructor in charge. (Not offered 1932-33)

ENGLISH 453.—Dramatic Production. (3-0) Credit 3. I.
Principles of dramatic interpretation and characterization. Theory and technique of stage craft with particular reference to play production.

ENGLISH 473.—Romantic Poetry. (3-0) Credit 3. I.
Intensive study of the poetry of Byron, Shelly, Keats and Wordsworth.

ENGLISH 443.—The Novel. (3-0) Credit 3. II.
Study of the relation between literature and social and economic condition as revealed in outstanding examples in the field of novel. Open to seniors and advanced students.

ENGLISH 463.—Early Essayists. (3-0) Credit 3. II.
Intensive study of the works of Coleridge, Lamb, Hazlitt, Landor, DeQuincy. (Not offered 1932-33).

ENGLISH 513.—Negro Literature. (3-0) Credit 3. I.
Study of the Negro in contemporary literature. Special attention to literature by Negroes. Open only to advanced students upon permission of instructor in charge. A graduate major. (Not offered 1932-33)

THE TEACHING OF ENGLISH.—See Education 333.
Study of aims, selection and organization of materials, preparation of lesson plans, and use of effective methods of teaching English, especially in the Secondary School.

DEPARTMENT OF EXTENSION CENTERS

Extension Committee:

J. B. Cade

L. A. Potts

C. W. Lewis

F. A. Jackson

Entrance requirements and standard of work are the same as for resident classes. Schools are established only in those places where there is a certainty that a high grade of work will be done. During the present year centers are being operated in Houston, Galveston, Beaumont, and Nacogdoches.

Teaching Staff

Beaumont-Houston—E. S. Richards, A. B., A. M.

Galveston—K. C. Stewart, B. S.

Nacogdoches—T. R. Griffith, A. B., A. M.

DEPARTMENT OF FOREIGN LANGUAGES

Charles E. Carpenter, M. L., Head

E. J. Mosby, A. B.

Gertrude Turner, B. S.

Foreign Language courses are dependent courses which may be continued through two semesters.

FRENCH 113, 123.—Elementary French. (3-0) Credit 3 each semester. The linguistic foundation of French including the mastery of the peculiar French phonetics. Idiomatic usage and verb drill will be emphasized. An additional text (Pour Charmer Nos Enfants—Capus) is used during the second semester to enliven conversation and drill in memory work.

FRENCH 213, 223.—Conversation and Readings. (3-0) Credit 3 each semester.

Conversational French and special idiomatic and verb drill. The reading matter is simple and based on habits of everyday life. Prerequisite: French 123.

FRENCH 313, 323.—French Literature. (3-0) Credit 3 each semester. A general survey of the French literature up to the present time. Illustrative excerpts will be read in class introducing many of the literary masters. Lectures on the historic background of French literature. Conducted in French. Reference work and reports included. Prerequisite: All courses through 223 or the equivalent.

German

GERMAN 113, 123.—Elementary German. (3-0) Credit 3 each semester. Fundamentals of the German language with supplementary reader during the second semester.

GERMAN 213, 223.—Conversation and Reading. (3-0) Credit 3 each semester.

Reading of idiomatic German supplemented with grammatical drill on composition and idiomatic usage. Special emphasis is placed on conversation during the second semester. Prerequisite: German 123 or equivalent.

Spanish

SPANISH 113, 123.—Elementary Spanish. (3-0) Credit 3 each semester. Mastery of the principles of pronunciation of the Spanish language. During the second semester special emphasis is placed on the review of grammatical principles previously learned; much use is made of exercise drills as outlined in the grammar; and conversation is stressed.

SPANISH 213, 223.—Advanced Grammar and Readings. (3-0) Credit 3 each semester.

Mastery of the conjugation of the twelve cases of orthographic-changing verbs, the five classes of classable, irregular verbs, a continuation of the study of idiomatic usage, memorization, conversation, and prac-

tice in reading as literature. During the second semester special drill on reflexive verbs, subjunctive mode, and on expressions governing literary writing and speaking. Prerequisite: Spanish 123 or the equivalent.

DEPARTMENT OF MATHEMATICS

A. W. Randall, A. M., Head

Mrs. E. J. Rucker, B. S.

S. B. Taylor, B. S.

MATHEMATICS 100.—Drill Course. (3-0) I. or II.

A review of the essentials of High School Algebra and Geometry. No credit toward graduation.

MATHEMATICS 113.—College Algebra. (3-0) Credit 3. I.

Drill in solving linear and quadratic equations, elementary theory of equations, determinants, etc. Prerequisite: 2 units of high school algebra, 1 unit geometry.

MATHEMATICS 123.—Plane Trigonometry. (3-0) Credit 3. II.

Plane trigonometry with introduction to spherical trigonometry. Prerequisite: same as for Mathematics 113.

MATHEMATICS 133, 143.—Mathematical Analysis. (3-0) Credit 3 each semester.

Freshman Mathematics covering college algebra, trigonometry, and solid geometry. Prerequisite: same as for Mathematics 113.

MATHEMATICS 213.—Analytic Geometry. (3-0) Credit 3. I.

The point, the straight line, transformation of co-ordinates, the conics, and exponential functions. Prerequisite: Mathematics 113, 123.

MATHEMATICS 223.—Differential Calculus. (3-0) Credit 3. II.

Development and application of various formulae of differentiation to practical problems. Prerequisite: Mathematics 213.

MATHEMATICS 313.—Integral Calculus. (3-0) Credit 3. I.

Integrals, their application to special problems; introduction to differential equations. Prerequisite: Mathematics 223.

MATHEMATICS 413.—Teachers' Course in Mathematics. (3-0) Credit 3. I.

A course for those planning to teach high school mathematics.

DEPARTMENT OF MILITARY SCIENCE

Captain Edward L. Dabney, Infantry, Res. U. S. Army
Professor of Military Science and Tactics

O. Anderson Fuller, Jr.
Band Director

The United States government has direct control over the military training given at this school which is in accordance with Section 55c, National Defence Act of 1920. Over 200 U. S. rifles, calibre 30, model

1917, belts and several U. S. rifles for gallery practice with necessary ammunition for training purposes are provided by the U. S. government for the training of the Cadet Corps.

The object of Military Training at this college is to inculcate habits and ideals that are required in every-day life, namely: respect for constituted authority, obedience, team work, punctuality, alertness, and precision. These qualities are developed by drills, exercises, strict attention and insistence upon details, supplemented by a system of discipline designed to teach the importance of doing things correctly. The Cadet is required to perform duties that demand thought, initiative, responsibility, and self control.

Description of Courses

MILITARY SCIENCE 111, 121.—Infantry. (1-2) Credit 1 each semester
(a) Theoretical: National Defence Act, military courtesy and discipline, Infantry, hygiene and sanitation. (b) Practical: Infantry drill, physical training.

MILITARY SCIENCE 211, 221.—Infantry. (1-2) Credit 1 each semester
(a) Theoretical: Musketry automatic rifle. (b) Practical: Command and leadership as corporals musketry, automatic rifle. Prerequisite: Military Science 111, 121.

MILITARY SCIENCE 311, 321.—Advanced Infantry. (1-2) Credit 1 each semester.

(a) Theoretical: Machine guns, topography. (b) Practical: Command sergeants, machine gunnery, topography, machine guns and combat principles. Prerequisite: Military Science 211, 221.

MILITARY SCIENCE 411, 421.—Advanced Infantry. (1-2) Credit 1 each semester.

(a) Theoretical: Combat principles; military history. (b) Practical: Command and leadership as officers and instructors; combat principles. Prerequisite: Military Science 311, 321.

DEPARTMENT OF MUSIC

O. Anderson Fuller, Jr., B. A., Head

Leah M. Minor, Piano

Mabel K. Bullock, Voice

Aim: The aim of the department of music is to develop a general appreciation for the best in music among the entire student body and to train students as performers and teachers of music.

Music Majors are offered in Piano, Voice, and Public School Music. Students majoring in music will register for and complete the following subjects.

In Freshman and Sophomore years: Twelve semester hours of music selected from courses numbered 113 through 263, and four semester hours of appreciation and recitals.

In Junior and Senior years: Music 392, 302, 313, 323, 333, thirty-eight semester hours of music selected from 333 through 448.

Description of Courses

MUSIC 113, 123.—Elementary Drill in Piano. (1½-4) Credit 3 each semester.

Bach's Little Preludes and Fugues; Bach's Inventions, Cramer, Jensen.

MUSIC 133, 143.—Fundamentals in Voice. (1½-4) Credit 3 each semester.

Development of flexibility, true color and phrasing, application of the same in songs chosen from the best moderate song literature.

MUSIC 153, 163.—Elementary Harmony. (3-0) Credit 3 each semester.
A study of scales, intervals and chords.

MUSIC 213, 223.—Intermediate Piano. (1½-4) Credit 3 each semester.
A continuation of scales and Arpeggio studies with increased rapidity and variety. Czerny Op. 31, No. 2, Concertos, Special public recitals.

MUSIC 233, 243.—Vocal Technique. (1½-4) Credit 3 each semester.
A study of scales and Arpeggi in all forms; vocal embellishments, songs in one foreign language. Vocalises Lamperti, Bordese, concone, etc. Ensemble numbers.

MUSIC 313, 323.—Instrument Music Education. (3-0) Credit 3 each semester.

Instruction in orchestration and training for school orchestras and bands; practice in studying instruments.

MUSIC 318, 328.—Advanced Drills in Piano. (1½-4) Credit 3 each semester.

A study of material of the grade of difficulty of Beethoven, Sonata, Op. 31, No. 2, Concertos. Special appearance in public recitals.

MUSIC 333, 343.—Advanced Harmony. (3-0) Credit 3 each semester.
A continuation of scales, intervals and chords.

MUSIC 338, 348.—Advanced Voice Technique. (1½-4) Credit 8 each semester.

Further drill in vocal technique. Ensemble singing from standard operas, oratorios, and cantatas, studies in expression and tone color; song recitatives and airs in at least two foreign languages. Solo classes and public recitals.

MUSIC 353, 363.—Public School Music. (3-0) Credit 3 each semester.
Music for children with Victrola. Toy orchestras; projects; appreciation.

MUSIC 373, 383.—Principles and Methods of Music Education. (3-0) Credit 3 each semester.

Problems in the philosophy and psychology of music training; of the music supervisor; the administration of Junior and Senior High School Music and values of tests and measurements are emphasized.

MUSIC 392, 302.—Music History. (2-0) Credit 2 each semester.
General course in Music History, studying ancient and primitive music; the historical bases of musical works and their composers.

MUSIC 418, 428.—Advanced Piano. (1½-14) Credit 8 each semester. Repertory study, exhibitions of a sufficient mastery of scales, arpeggios, chords, octaves and double notes, ensemble sight reading and accompanying. Senior recital.

MUSIC 438, 448.—Vocal Interpretation. (1½-14) Credit 8 each semester. A study of repertoire building. Knowledge of proper interpretation of songs of classic and modern vocal literature. Senior recital.

DEPARTMENT OF PHYSICAL EDUCATION FOR WOMEN

Marjorie A. Johnson, A. B., Head

*Georgia P. Offutt, B. S.

Physical Education is required of all students two hours per week throughout the freshman and sophomore years. All students are required to wear regulation uniforms in Physical Education classes. The uniform consists of a blue one-piece suit, black cotton hose, and white keds. Entering Freshman girls are required to place their order for this uniform with their instructor in Physical Education. The approximate cost of this outfit is \$3.25.

PHYSICAL EDUCATION 111, 121.—Freshman Practice. (0-2) Credit 1 each semester.

Elementary work in tactics, gymnasium games, tumbling and pyramids, posture grading, and training; simple folk, natural, clog, and tap dancing; physical efficiency and motor ability tests; contests, stunts, self-testing activities, developmental exercise, Danish gymnastics.

PHYSICAL EDUCATION 211, 221.—Sophomore Practice. (0-2) Credit 1 each semester.

Continuation of course 111, 121. The work done during this year is of an intermediate nature.

Major Course in Physical Education

Students majoring in Physical Education are required to register for, and complete the following courses:

Freshman and Sophomore years: Physical Education 111, 121, 211, 221, Hygiene and Sanitation (Nursing Education, 122) and Biology 313, 323.

Junior year: Physical Education 311, 321, 312, 323, 343, and Nurse Education, 413.

Senior year: Physical Education, 411, 421, 412, 422, 413, 423, 432, 442, 462.

PHYSICAL EDUCATION 311, 321.—Junior Practice. (0-2) Credit 1 each semester.

A continuation of the work in course 211, 221. This is an advanced course emphasizing the more difficult exercises, formations, tests, and combinations.

*Part of the year.

PHYSICAL EDUCATION 312.—Organization and Administration of Play. (2-0) Credit 2 each semester.

A brief historical view of the growth of the play movement from the standpoint of child development, school administration, and the wider organization of community activities. A study of daily programs, seasonal programs, exhibitions, festivals, fetes, club work, tournaments, contests, leagues; and the conduct of adult activities. Required of all students majoring in Physical Education, and open to others at the discretion of the instructor.

PHYSICAL EDUCATION 323.—Principles of Physical Education. (3-0) Credit 3 each semester.

A course which deals with the problems of organization, management and supervision of physical education programs. A study of objectives, principles and policies.

PHYSICAL EDUCATION 343.—Physical Education Methods. (3-0) Credit 3 each semester.

Subject matter and methods in teaching physical education in elementary schools. Open only to students majoring in Physical Education.

PHYSICAL EDUCATION 411, 421.—Senior Practice. (0-2) Credit 1 each semester.

This course is a practice survey with additional work. Emphasis is here placed on analysis of activities and exercise, nomenclature, judging and criticizing. More attention is given to form, agility, ease and proper execution.

PHYSICAL EDUCATION 412, 422.—Observation and Directed Teaching. (0-4) Credit 2 each semester.

Principles and practice in teaching and supervision.

PHYSICAL EDUCATION 413.—Mechanical Analysis of Developmental Skills. (1-4) Credit 3 each semester.

Theory and practice. Instruction in the kinesiological analysis and practice in the actual working out of the motor problems involved in the wide variety of developmental activities.

PHYSICAL EDUCATION 423.—Methods in Athletics. (3-0) Credit 3 each semester.

Theory and practice of teaching athletic sports for girls and women.

PHYSICAL EDUCATION 432, 442.—Advanced Dancing. (1-2) Credit 2 each semester.

The more difficult movements in all types of dancing. Much time is devoted to interpretation.

PHYSICAL EDUCATION 462.—History of Physical Education. (2-0) Credit 2 each semester.

History and development of the play movement, the sports, and physical education in general. Emphasis is placed on the contributions made to physical education rather than on the historical sequence of events.

NATURAL SCIENCE AND PRE-MEDICAL DEPARTMENT

*R. Patterson Perry, M. S., Chairman of Natural Science Group and Head of the Department of Chemistry.

M. J. Lucas, B. S., Acting Chairman

Harvey G. Dickerson, M. S., Head of the Department of Biology

William L. Donley, M. S.

E. B. Evans, D. V. M.

D. R. Turner, B. S.

Maurice Jones, B. S., Acting Head of the Department of Physics.

Hamilton J. Brown, A. B.

*Walter M. Booker, A. B.

E. E. Byais, B. S.

The group embraces Bacteriology, Biology, Chemistry, Physics and Zoology. The group aims to present both the practical and theoretical rules of the subjects offered. The courses spread over a wide range to the end that students may find adequate opportunity to prepare for the fulfillment of the varying purposes and interests of life. The group makes a special effort to satisfy the needs of students who specialize in Agriculture, Mechanics, or Home Economics.

Students desiring to satisfy requirements for the pre-medical or pre-dental course should complete the following courses: Biology, 114, 124; Chemistry, 114, 124, 214, 224; English, 113, 123, 213; Foreign Language (French or German), 113, 123; Physics, 215, 225. Enough work in other fields must be presented to make the total of credit equal or exceed 64 semester hours before completion of the pre-medical or pre-dental course may be certified.

Biological Sciences

At present only a major in Zoology is offered. In addition to the departmental requirements (see p. —), the student must satisfy certain requirements of the Departments of the Group of Natural Science.

A total number of not less than 18 hours are to be taken above the Sophomore year in zoological courses. The following subjects are required: Physics 214, 224; Physiology, 313, 323; Biochemistry, 404; Genetics, 404.

The student is advised to confer with the Director of the Division or the Head of the department at all times.

BIOLOGY 114.—(2-4) Credit 4. I.

An introduction to the entire field of animal life.

BIOLOGY 124.—General Botany. (2-4) Credit 4. II.

A general survey of the plant kingdom, gross morphology of the seed plants, cells, tissues, the lower plants, including algae, fungi and mosses.

*On leave 1931-1932.

BIOLOGY 214, 224.—Systematic Botany. (2-4) Credit 4.

Historical survey of various systems of classifications or principle groups by means of representatives. Prerequisite: Biology 124.

BIOLOGY 234.—General Zoology. (2-4) (For Agricultural Students) Credit 4. I.

A general survey of the animal kingdom with special emphasis on the anatomy habits and physiology of domestic animals. Prerequisite: Veterinary Science or Biology 114.

BIOLOGY 244.—Agricultural Botany. (2-4) Credit 4. II.

The structure and function of the seed plants are studied in detail. The botanical phases of the common farm plants are emphasized with special stress on the corn and cotton plants.

BIOLOGY 254.—Invertebrate Zoology. (2-4) Credit 4. I.

An advanced course in zoology dealing with the Protozoa, Porifera, Coelenterata, Echinodermata, Annelida, and Mollusca. The life from the ponds about Prairie View is observed and studied. Prerequisite: Biology 114.

BIOLOGY 264.—Invertebrate Zoology. (2-4) Credit 4. II.

A continuation of 254. Prerequisite: 254.

BIOLOGY 313, 323.—Physiology. (2-2) Credit 3 each semester.

This is a general course covering the fundamental facts and principles of physiology. The physiology of food digestion, absorption, blood circulation and excretion of wastes are considered in detail.

BIOLOGY 314, 324.—Bacteriology. (2-4) Credit 4 each semester.

A study of the cultural characteristics of various organisms and the technique of stains and the bacteriology of foods. Prerequisite: Chemistry 244 or 264.

BIOLOGY 315.—Plant Physiology. (3-4) Credit 5. I.

The physiological features, absorption, conduction, transpiration, photosynthesis, respiration, growth, movement, and reproduction are stressed.

BIOLOGY 325.—Plant Pathology. (3-4) Credit 5. II.

Diseases common to the farm orchard and garden. Seed treatments are illustrated in addition to spraying and sanitation. Designed to follow the course in Plant Physiology.

BIOLOGY 334, 344.—Vertebrate Zoology. (2-4) Credit 4 each semester.

An advanced course dealing with the Phylum Chordata. The life histories. Advanced work on the structure and relation of types. Prerequisite: Biology 264.

BIOLOGY 402.—Laboratory Management. (1-2) Credit 2. I or II.

This course is devised for students majoring in Biology or preparing to teach biological subjects. Prerequisite: Biology 344 or Biology 224.

BIOLOGY 413.—Embryology. (2-2) Credit 3. I.

A general introductory course. The development of the chick will be the type of specimen used. Maturation, fertilization, cleavage and differ-

entiation are some of the important topics discussed. Prerequisite: Biology 244 or 264.

BIOLOGY 433.—General Entomology. (2-2) Credit 3. I.
A general introduction to insect life. The life histories, habits and classification are given due consideration. Prerequisite: Biology 264 or 244.

BIOLOGY 423.—Practical Zoology. (2-2) Credit 3. II.
Methods of preserving, mounting, fixing and staining biological specimens are considered. Taxidermy methods are used and demonstrated. Prerequisite: Biology 344.

BIOLOGY 404.—Elementary Genetics. (4-0) Credit 4. I or II.
A lecture course in the history and principles of evolution and their applications to modern experimental evolution and eugenics. Prerequisite: Biology 323.

PHYSICAL SCIENCES

Chemistry

Students who plan to do their major work in chemistry are required to register for and complete the following courses in their freshman and sophomore years: Chemistry 114, 124, 214; Mathematics 133, 143, 213, 223; and Physics 215, 225. In addition they are required to take Chemistry 334, 344, 234, 244.

Courses

CHEMISTRY 114.—Inorganic Chemistry. (2-4) Credit 4. I.
The course embraces an intensive study of the laws and theories, along with a wide comparative study of the elements in the light of the periodic system.

CHEMISTRY 124.—General Chemistry. (2-4) Credit 4. II.
A continuation of 114. For students who intend to major in the department or for pre-medical students. Prerequisite: Chemistry 114.

CHEMISTRY 134.—Qualitative Analysis. (2-4) Credit 4. I.
A course to be offered to Home Economics and Agricultural students. Tests, separation and identification of the common metallic and non-metallic ions. Prerequisite: Chemistry 114.

CHEMISTRY 214.—Qualitative Analysis. (2-4) Credit 4. II.
For students desiring a more extended study. Systematic analysis for all ions except those of the rare elements, with special attention to cation and the detection of negative ions. Prerequisite: Chemistry 125.

CHEMISTRY 224.—Quantitative Analysis. (2-4) Credit 4. II.
The general principles of quantitative analysis; metals, alloys, ores, rocks and mineral analysis; food analysis; fertilizers and soil. Prerequisite: Qualitative Analysis.

NOTE: Students desiring a full year of Quantitative Analysis may, after consultation with the head of the department, register for Chemistry 515.

CHEMISTRY 284.—Advanced Qualitative Analysis. (2-4) Credit 4. II.
For students majoring in analytical chemistry. The lecture deals with the analytical reactions and the development and application of laws governing solutions and equilibrium. Prerequisite: Chemistry 214.

CHEMISTRY 234.—Organic Chemistry. (2-4) Credit 4. II.
The principles of organic chemistry for students preparing for medicine, dentistry and for students of home economics and agriculture.

CHEMISTRY 244.—Organic Chemistry. (2-4) Credit 4. II.
For students who plan to major in department or for pre-medical students. A continuation of Chemistry 234. Prerequisite: Chemistry 234.

CHEMISTRY 264.—Organic Chemistry for Home Economics and Agricultural Students. (2-4) Credit 4. II.

Lecture and laboratory work in the examination of food materials and their changes in the animal body. Prerequisite: Chemistry 234.

CHEMISTRY 315.—Advanced Organic Chemistry. (3-4) Credit 5. I.
For students majoring in the department. Fundamental syntheses in both aliphatic and aromatic series are discussed and illustrated. Prerequisite: Chemistry 244.

CHEMISTRY 325.—Organic Preparations. (1-8) Credit 5. I.
This course involves elementary research in the synthesis of organic compounds and a study of the reactions of compounds of theoretical and industrial importance. Prerequisite: Chemistry 315.

CHEMISTRY 334,344.—Physical Chemistry. (2-4) Credit 4 each semester.

A course dealing with theoretical chemistry. Required of all majors in the department. Prerequisite: Chemistry 224, Physics 224, Math. 223.

CHEMISTRY 355.—Ferrous Metallurgy. (3-4) Credit 5. I.
Primarily for Mechanic students but may be taken by students in chemistry. Blast furnace operation, puddling, cementation. Crucible steel, Bessemer processes, open hearth processes. Ingot casting and mechanical treatment. Prerequisite: Chemistry 124.

CHEMISTRY 365.—Non-Ferrous Metallurgy. (3-4) Credit 5. II.
General metallurgical principles pertaining to the industries producing copper, zinc, lead, tin, antimony, cobalt, magnesium, manganese and nickel. Prerequisite: Chemistry 355.

CHEMISTRY 302.—History of Chemistry. (2-0) Credit 2. I or II.
A non-technical course dealing with the growth of sciences in general and chemistry in particular from prehistoric times to the present.

CHEMISTRY 404.—Elementary Biochemistry. (2-4) Credit 4. I or II.
An introduction to the study of the animal body and the vital processes and their regulation. Prerequisite: Chemistry 224, 234.

CHEMISTRY 415, 425.—Research. (1-8) Credit 5 each semester.
Students may register for research after consultation with the head of the department.

entiation are some of the important topics discussed. Prerequisite: Biology 244 or 264.

BIOLOGY 433.—General Entomology. (2-2) Credit 3. I.
A general introduction to insect life. The life histories, habits and classification are given due consideration. Prerequisite: Biology 264 or 244.

BIOLOGY 423.—Practical Zoology. (2-2) Credit 3. II.
Methods of preserving, mounting, fixing and staining biological specimens are considered. Taxidermy methods are used and demonstrated. Prerequisite: Biology 344.

BIOLOGY 404.—Elementary Genetics. (4-0) Credit 4. I or II.
A lecture course in the history and principles of evolution and their applications to modern experimental evolution and eugenics. Prerequisite: Biology 323.

PHYSICAL SCIENCES

Chemistry

Students who plan to do their major work in chemistry are required to register for and complete the following courses in their freshman and sophomore years: Chemistry 114, 124, 214; Mathematics 133, 143, 213, 223; and Physics 215, 225. In addition they are required to take Chemistry 334, 344, 234, 244.

Courses

CHEMISTRY 114.—Inorganic Chemistry. (2-4) Credit 4. I.
The course embraces an intensive study of the laws and theories, along with a wide comparative study of the elements in the light of the periodic system.

CHEMISTRY 124.—General Chemistry. (2-4) Credit 4. II.
A continuation of 114. For students who intend to major in the department or for pre-medical students. Prerequisite: Chemistry 114.

CHEMISTRY 134.—Qualitative Analysis. (2-4) Credit 4. I.
A course to be offered to Home Economics and Agricultural students. Tests, separation and identification of the common metallic and non-metallic ions. Prerequisite: Chemistry 114.

CHEMISTRY 214.—Qualitative Analysis. (2-4) Credit 4. II.
For students desiring a more extended study. Systematic analysis for all ions except those of the rare elements, with special attention to theory and the detection of negative ions. Prerequisite: Chemistry 125.

CHEMISTRY 224.—Quantitative Analysis. (2-4) Credit 4. II.
The general principles of quantitative analysis; metals, alloys, ores, rocks and mineral analysis; food analysis; fertilizers and soil. Prerequisite: Qualitative Analysis.

NOTE: Students desiring a full year of Quantitative Analysis may, after consultation with the head of the department, register for Chemistry 515.

CHEMISTRY 284.—Advanced Qualitative Analysis. (2-4) Credit 4. II.
For students majoring in analytical chemistry. The lecture deals with the analytical reactions and the development and application of laws governing solutions and equilibrium. Prerequisite: Chemistry 214.

CHEMISTRY 234.—Organic Chemistry. (2-4) Credit 4. II.
The principles of organic chemistry for students preparing for medicine, dentistry and for students of home economics and agriculture.

CHEMISTRY 244.—Organic Chemistry. (2-4) Credit 4. II.
For students who plan to major in department or for pre-medical students. A continuation of Chemistry 234. Prerequisite: Chemistry 234.

CHEMISTRY 264.—Organic Chemistry for Home Economics and Agricultural Students. (2-4) Credit 4. II.
Lecture and laboratory work in the examination of food materials and their changes in the animal body. Prerequisite: Chemistry 234.

CHEMISTRY 315.—Advanced Organic Chemistry. (3-4) Credit 5. I.
For students majoring in the department. Fundamental syntheses in both aliphatic and aromatic series are discussed and illustrated. Prerequisite: Chemistry 244.

CHEMISTRY 325.—Organic Preparations. (1-8) Credit 5. I.
This course involves elementary research in the synthesis of organic compounds and a study of the reactions of compounds of theoretical and industrial importance. Prerequisite: Chemistry 315.

CHEMISTRY 334,344.—Physical Chemistry. (2-4) Credit 4 each semester.

A course dealing with theoretical chemistry. Required of all majors in the department. Prerequisite: Chemistry 224, Physics 224, Math. 223.

CHEMISTRY 355.—Ferrous Metallurgy. (3-4) Credit 5 I.
Primarily for Mechanic students but may be taken by students in chemistry. Blast furnace operation, puddling, cementation. Crucible steel, Bessemer processes, open hearth processes. Ingot casting and mechanical treatment. Prerequisite: Chemistry 124.

CHEMISTRY 365.—Non-Ferrous Metallurgy. (3-4) Credit 5. II.
General metallurgical principles pertaining to the industries producing copper, zinc, lead, tin, antimony, cobalt, magnesium, manganese and nickel. Prerequisite: Chemistry 355.

CHEMISTRY 302.—History of Chemistry. (2-0) Credit 2. I or II.
A non-technical course dealing with the growth of sciences in general and chemistry in particular from prehistoric times to the present.

CHEMISTRY 404.—Elementary Biochemistry. (2-4) Credit 4. I or II.
An introduction to the study of the animal body and the vital processes and their regulation. Prerequisite: Chemistry 224, 234.

CHEMISTRY 415, 425.—Research. (1-8) Credit 5 each semester.
Students may register for research after consultation with the head of the department.

CHEMISTRY 400.—Seminar. No credit. I or II.
Required of all majors in the department. Reports and discussions on the progress of research.

For Advanced Students

CHEMISTRY 515.—Advanced Quantitative Analysis. (1-8) Credit 5. I.
Lectures on the theory of analysis with laboratory work in electrometric titrations, electro analysis, and steel analysis. Prerequisite: Chemistry 224.

CHEMISTRY 513.—Organic Combustions. (1-4) Credit 3. I.
Designed for students majoring in organic chemistry. Determinations of carbon, hydrogen and nitrogen by combustion. Prerequisite: Chemistry 315.

CHEMISTRY 523.—Qualitative Organic Analysis. (1-4) Credit 3. II.
Identification of pure organic compounds and mixtures. Prerequisite: Chemistry 315.

CHEMISTRY 504.—General Theoretical and Physical Chemistry. (2-4) Credit 4. I or II.

Application of laws of thermodynamics to the equilibrium of chemical reactions and the electro-motive force of voltaic cells. Prerequisite: Chemistry 344.

CHEMISTRY 533.—Industrial Chemistry. (3-0) Credit 3. I.
Lectures and assigned readings covering the most important of the typical chemical industries. Prerequisite: Chemistry 325.

CHEMISTRY 543.—Industrial Analysis. (0-6) Credit 3. II.
A continuation of Chemistry 533 dealing with laboratory work. Prerequisite Chemistry 533.

CHEMISTRY 505.—Advanced Biochemistry. (3-4) Credit 5. I or II.
A detailed study of the composition of organisms and the food materials required by them and of the transformations of these food materials into those materials composing the organisms. Prerequisite: Chemistry 404, Physiology 323.

CHEMISTRY 402.—Laboratory Technique. (0-4) Credit 2. I or II.
Required of all students majoring in the department.

Physics

PHYSICS 214, 224.—(2-4) Credit 4 each semester.
Lectures, recitations, and physical measurements on mechanics, properties of matter, forces, equilibrium, heat and mechanics of fluids. Second semester: experiments in magnetism, light electricity, sound and radio-activity. Prerequisite: Plane geometry, high school algebra, and plane trigonometry, desired.

PHYSICS 313, 323.—(2-4) Credit 4 each semester.
Simple electric and magnetic circuits as applied to direct current machinery; characteristics of generators and motors, armature windings; systems of direct current distribution and accessory apparatus. Second

semester: Theory of operation of transformers, induction motors, and switch board equipment. Prerequisite: Physics 22 and calculus.

PHYSICS 423.—(1-4) Credit 3. II.

The theory and operation of modern telephone, telegraph, and radio installations. Prerequisite: Physics 323, Calculus.

THE SOCIAL SCIENCE DEPARTMENTS

F. A. Jackson, M. B. A., Chairman of Departments
and Head of Department of Economics

Students majoring in any department of the Group of Social Sciences must complete at least eighteen semester hours above freshman and sophomore work in some one department of the Group of Social Sciences.

Requirements for a major in Sociology and nine semester hours in studies of other Social Sciences and prescribed courses of other departments. All courses listed in the department must be taken excluding Sociology 213, and 413.

Department of Economics

ECONOMICS 303.—Survey Course in Economics. (3-0) Credit 3. I or II
Rural life, farm production, population in rural and urban communities. Open to Home Economics students.

ECONOMICS 313, 323.—Introductory Principles of Economics. (3-0)
Credit 3 each semester.

A general survey of the field of economics dealing with production, distribution, goods, exchange, prices, supply and demand. The second semester deals with money, banking, labor problems, foreign exchange, agricultural problems and consumption. Textbook, problems and reports.

ECONOMICS 403.—Money and Banking. (3-0) Credit 3 each semester.
History of money; bimetalism; legal tender; value of money; functions of banks; credit and credit instruments. Prerequisite: Economics 313 and 323 or special permission.

ECONOMICS 412, 422.—Principles and Practices of Insurance, (2-0)
Credit 2. I. or II.

The fundamental principles and types of insurance.

ECONOMICS 463.—Labor Problems. (3-0) Credit 3.

Modern problems of labor in industry. Prerequisite: Economics 313 or special permission.

ECONOMICS 443.—See Division of Agriculture. Rural Economics 423.

DEPARTMENT OF HISTORY AND GOVERNMENT

J. E. Pierce, A. B., Acting Head of Department of History
C. E. McMillan, B. S. M. J. Davis, B. S.

HISTORY 102.—Constitutional History of the United States and Texas.
(2-0) Credit 2. I or II.

PRAIRIE VIEW STATE N. AND I. COLLEGE

A brief survey study of the National government and the government of Texas. Reports, class recitation and papers.

HISTORY 113, 123.—Early and Late Modern European History (1500-1930). (3-0) Credit 3 each semester.

The period of discovery and colonization; rise of the national state; middle class; Industrial Revolution and the beginning of democratic government. Second semester: Napoleonic Wars; the rise of a new national feeling; Empire building; the World War; a world state and peaceful arbitration.

HISTORY 213, 223.—History of the United States (1763-1860). (3-0) Credit 3 each semester.

Gives a brief survey of the colonization of America; formation of National government; rise of political parties; slavery question. Second semester: Emphasis is placed on secession, Civil War; reconstruction; political and social reform.

HISTORY 303.—Negro History. (3-0) Credit 3. I or II.
A study of the American Negro and his African background, progress since freedom.

HISTORY 313, 323.—English (to 1608). (3-0) Credit 3 each semester.
Deals with the founding of the kingdom; rise of common law, reformation and representative government. Second semester: The Divine Right of kings; overthrow of aristocracy.

HISTORY 403.—Mediaeval Europe (300-1500). (3-0) Credit 3 each semester.

A study of the fall of the Roman Empire; Renaissance.

HISTORY 413.—American Diplomacy. (3-0) Credit 3. I.
A brief survey of the history of our foreign policy with emphasis on the Monroe Doctrine, isolation, our Latin American relations, watchful waiting in Mexico and our "Big Sister" policy in the Caribbean. Prerequisite: History 213 and 223.

HISTORY 423.—Imperialism and World Politics. (3-0) Credit 3. II.
This course is designed to give a comprehensive view of the effect of modern imperialism on international relations of the nineteenth and twentieth centuries, showing how economic and political policies serve as a basis of diplomacy. Due consideration will be given to conflicts over raw materials, concession, colonies, protectorate and spheres of influence. Prerequisite: Six semesters of History.

HISTORY 403.—Contemporary European History. (3-0) Credit 3. I or II.

This course is an intensive study of twentieth century Europe. It gives a comprehensive view of conditions of Europe prior to the World War.

GOVERNMENT 213.—American National Government. (3-0) Credit 3. I.
A study of the National Constitution and Government.

GOVERNMENT 223.—State and Local Government. (3-0) Credit 3. II.
Origin and growth of State constitutions; county, town and township

PRAIRIE VIEW STATE N. AND I. COLLEGE

governments and their growth. Special study will be made of Texas constitution and government.

GOVERNMENT 313.—American City Government and Parliamentary Law. (3-0) Credit 3. I.

A study of the growth of the American cities.

GOVERNMENT 323.—Introduction to Political Science. (3-0) Credit 3. II.

The cause and evolution of the state, the theories underlying state, sovereignty, executives, legislatures, judiciary, law and colonial government.

DEPARTMENT OF PHILOSOPHY

Mack T. Williams, A. B., B. D., Head of Department of Philosophy

PHILOSOPHY 313.—Introduction to Philosophy. (3-0) Credit 3. I.
Designed for undergraduates taking Philosophy for the first time.

PHILOSOPHY 323.—Problems of Philosophy. (3-0) Credit 3. II.
An introduction to some of the main general problems of philosophy, such as those of mind, nature, truth and value; the field of philosophy and its relation to the special sciences and to scientific method. Prerequisite: Philosophy 213 and 223.

PHILOSOPHY 413.—Logic. (3-0) Credit 3. I.
Introductory study of the methods of correct reasoning, deductive and inductive proof, arguments, etc.

PHILOSOPHY 423.—Ethics. (3-0) Credit 3. II.
Introductory study of the development of moral codes and ideals; the problem of conflicts of interests; the nature of goodness; personal and social ethics; ethical theories and principles.

PHILOSOPHY 443.—Philosophies of Life. (3-0) Credit 3. II.
Introductory survey of the main classical philosophies of life, with consideration of some of the ideals or values involved in the moral, religious, aesthetic, and scientific points of view. Prerequisite: Philosophy 313, 323.

DEPARTMENT OF SOCIOLOGY

H. A. Bullock, A. M., Head of Department of Sociology

SOCIOLOGY 113.—(See History 113 and 123). (3-0) Credit 3. I.
This course, though taught in the History Department, is designed to acquaint the student with those social institutions which are considerable parts of the social structure. Open to all freshmen and should be taken by those students who plan to major in Sociology.

SOCIOLOGY 213.—Introduction to the Study of Society. (3-0) Credit 3. I.

Pure Sociology designed to acquaint the student with the nature and field of Social Science, the origin of Social Institutions, Social Process,

and Social Pathology. No attempt is made to go into the detailed aspect of the phases but to give introductory material of Sociology which might be used for advanced study. This course forms the prerequisite for all other courses. Collateral readings.

SOCIOLOGY 233.—Social Psychology. (3-0) Credit 3. I.
The psychic basis of social life, social attitudes and the development of personality and its deviation from the normal.

SOCIOLOGY 313.—Introduction to the Study of Society. (3-0) Credit 3. I.

Pure Sociology devised to acquaint the student with the origin of races and their characteristics, factors operating in social development and astudy of such institutions as the church, family and state.

SOCIOLOGY 323.—The Family. (3-0) Credit 3. II.
Domestic relations: Incompatibility, divorce, illegitimacy, domestic disadvantages of modern industry and other problems that have to do with the family and its broad social aspects.

SOCIOLOGY 343.—Race Relations. (3-0) Credit 3. II.
An attempt to measure racial and group contributions to our present civilization.

SOCIOLOGY 413.—Social Anthropology. (3-0) Credit 3. I.
Social origins dealing with the historical development of man and his culture.

SOCIOLOGY 433.—Community Organization. (3-0) Credit 3. I.
The origin of social life in community. Such studies as Housing Conditions, Public Health, Recreation and Americanization will be of great interest, ever keeping their social aspect in the foreground.

SOCIOLOGY 453.—Social Case Work. (3-0) Credit 3. I.
Aims to give the student a technique of approach to the systematic study of actual social cases. Compiled and non-compiled cases will be considered.

SOCIOLOGY 423.—Criminology. (3-0) Credit 3. II.
Systematic study of the criminal as a person. Court systems and prison procedure are studied and criticized as to their relation to crime and the criminal.

SOCIOLOGY 463.—Social Research. (3-0) Credit 3. II.
Acquaints the student with methods of social research. Both library and field methods will be used.

SOCIOLOGY 401.—Civic Sociology; Modern and Social Health Movements. (1-0) Credit 1. I or II.
Especially for students in nursing education and will cover civic movements and problems with reference to health, public housing, recreation, and Americanization.

DIVISION OF HOME ECONOMICS

Elizabeth C. May, B. S. in H. E., Director

Essie J. Anderson, M. S.	Elcena F. Martin, B. S.
Nellie Bishop Dillon, B. S.	Mary I. Moore, B. S.
M. Irene Pride, B. S.	Grace L. Smith, A. B.
Ophelia C. Hubert, B. S.	Geneva P. Crouch, M. S.

The degree of Bachelor of Science is conferred upon candidates who have completed all prescribed courses, and met all other requirements. One hundred and twenty-eight semester hours of acceptable work must be completed before the degree is granted.

Aim of Division

The aim of this college course in Home Economics is to inspire and stimulate interest in continued study, to train in accuracy, to help the student find her place in the social and economic world, and to increase the student's stock of information.

The course, as outlined below, is designed to meet the needs of the following groups of persons: Those who plan to teach, those who wish to enter graduate courses leading to technical and professional work, and those who wish to use such training in solving home problems.

OUTLINE OF COURSE OF STUDY IN HOME ECONOMICS

FRESHMAN

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
English 113	(3-0) 3	English 123	(3-0) 3
Composition		Composition	
Chemistry 114	(2-4) 4	Chemistry 124	(2-4) 4
Inorganic		Qualitative Analysis	
Education 113	(3-0) 3	Education 123	(3-0) 3
Intro. to Education		Principles of EleElem'try.	
History 102	(2-0) 2	School Subjects	
Constit'nl History of		Clothing 123	(1-4) 3
U. S. and Texas		Textiles & Clothing	
Mathematics 113	(3-0) 3	Mathmatics 123	(3-0) 3
Mathematical Analysis		Math. Analysis	
Physical Ed. 111	(0-2) 1	Physical Ed. 121	(0-2) 1
Freshman Practice		Freshman Practice	

SOPHOMORE

English 213	(3-0) 3	English 223	(3-0) 3
Public Speaking		Journalism	
Chemistry 214	(2-4) 4	Chemistry 224	(2-4) 4
Organic		Organic	

Education 233	(3-0)	3	Education 263	(3-0)	3
Elementary Methods			Vocational Education		
Foods 213	(1-4)	3	Foods 223	(1-4)	3
Elementary Nutrition			Elementary Nutrition		
Biology 313	(2-2)	3	Biology 323	(2-2)	3
Prin. of Physiology			Prin. of Physiology		
Physical Ed. 211	(0-2)	1	Physical Ed. 221	(0-2)	2
Sophomore Practice			Sophomore Practice		

JUNIOR

Education 313	(3-0)	3	Education 343	(3-0)	3
Classroom Management			Child Psychology		
Economics 313	(3-0)	3	Sociology 323	(3-0)	3
Survey of Economics			The Family		
Biology 314	(2-4)	4	Education 363	(3-0)	3
Bacteriology			H. E. Methods		
Clothing 313	(1-4)	3	Clothing 323	(1-4)	3
Children's Clothing			Adv. Cloth. Construction		
House 312	(2-0)	2	House 322	(2-0)	2
Planning & Furnishing			Management		
Art 312	(0-4)	2	Art 322	(0-4)	2
Art Structures			Art Structure		

SENIOR

*Education 401	(1-0)	1	H. E. Agri. 422	(2-0)	2
H. E. Problems			Home Nursing 422	(2-0)	2
**Education 403	(1-5)	3	Foods 423	(1-4)	3
Student Teaching			Advanced Nutrition		
**House 403	(0-14)	3	Art 422	(0-4)	2
Practice House & Family Relationships			Color & Its Application		
Parental Ed. 413	(3-0)	3	Clothing 423	(1-4)	3
Child care & Training			Problems in Advanced Clothing		
Foods 413	(1-4)	3	Electives:		
Advanced Nutrition			Clothing 422	(0-4)	2
Parental Ed. 411	(1-0)	1	Modeling & Draping		
Nursery School Observ.			Foods 202	(1-2)	2
Clothing 412	(0-4)	2	Quantity Cooking		
Costume Design					
Electives		2			
*Taken same semester as student teaching.					
**Taken either semester.					
Electives:					
Art 402	(0-4)	2			
Handicraft					
Clothing 402	(0-4)	2			

DEPARTMENT OF HOME ECONOMICS EDUCATION

VOCATIONAL EDUCATION.—See Division of A. & S. Education 263.
 HOME ECONOMICS EDUCATION.—See Division of A. & S. Education 363.
 HOME ECONOMICS PROBLEMS.—See Division of A. & S. Education 401.
 TEACHING HOME ECONOMICS SUBJECTS.—See Division of A. & S. Education 403.

DEPARTMENT OF APPLIED AND RELATED ART

ART 312, 322.—Art Structure. (0-4) Credit 2 each semester.
 A knowledge of line, dark and light, and color for an understanding of art principles and color which may be applied to the home, school, dress and application of the principles of design and color to practical and aesthetic value.
 ART 422.—Color and Its Application. (0-4) Credit 2. II.
 Methods of combining lines, dark and light colors in developing original experience. It is parallel with advanced clothing.
 ART 402.—Handicraft. (0-4) Credit 2. I. or II.
 Practice in the application of all principles to the making of small accessories for the home, school and wardrobe. Elective.

DEPARTMENT OF CHILD TRAINING AND HEALTH

PARENTAL EDUCATION 413.—Child Care and Training. (3-0) Credit 3. I.
 A study of the child's growth and development of the child.
 PARENTAL EDUCATION 401.—Nursery School Observation. (1-0) Credit 1. I. or II.
 HOME NURSING 422. (2-0) Credit 2. I.
 A knowledge of elementary methods of how to prevent disease; to women and elder girls, in the home, who have the care of the sick thrust upon them.

DEPARTMENT OF FOODS

FOODS 213.—Elementary Nutrition. (1-4) Credit 3. I.
 Students learn the relation between food and health. Etiquette in various methods of preparing and serving meals is emphasized.
 FOODS 223.—Food Problems. (1-4) Credit 3. II.
 Classification, composition, occurrence, general properties of food, food values in relation to cost, place of various foods in diet. Scientific principles applied to cooking processes and why. Definite standards established for products. Food problems of the consumer. Study of quality and cost of foods on the market. Special emphasis of management fac-

tors including budget time and money involved in meal preparation. Principles of preservation.

FOODS 413, 423.—Advanced Nutrition. (1-4) Credit 3 each semester. Food constituents, their occurrence in different foods and their digestibility. Principles of normal human nutrition are studied and applications are made of them to practical feeding problems of the individual. Prerequisite: A considerable background in natural science is desirable.

FOODS 422.—Home Economics Agriculture. (2-0) Credit 2. II. The study of poultry, home dairying, and gardening.

FOODS 402.—Quantity Cookery. (1-2) Credit 2. I. or II. Problems in management, buying by wholesale, use of left overs. Supervision and actual labor in preparation and serving food for a large number of people. Elective.

DEPARTMENT OF CLOTHING

CLOTHING 123.—Textiles and Clothing. (1-4) Credit 3. II. A study of commercial patterns based on the principles of drafting; principles of the proper selection and care of fabrics and clothing.

CLOTHING 313.—Children's Clothing. (1-4) Credit 3 I. This course deals with the problems involved in the selection and construction of garments for children and infants.

CLOTHING 323.—Advanced Garments Construction. (1-4) Credit 3. II. Practice in the application of the principles of costume design; the development of technique in the construction of various types of garments.

CLOTHING 423.—Advanced Problems in Clothing. (1-4) Credit 3. II. Designed for those who plan to major in clothing; includes modeling and draping with the use of the dress forms.

CLOTHING 402.—Millinery. (0-4) Credit 2. I. or II. Designed to establish definite standards for the selection of becoming hats. It includes a study of color, line and texture; renovation and remodeling of hats. Elective.

CLOTHING 422.—Modeling and Draping. (0-4) Credit 2. I. or II. Advanced course in specialized clothing problems.

CLOTHING 412.—Costume Design. (0-4) Credit 2. I. Design and its direct relation to clothing. It is based upon Art 312 and 322 and is a prerequisite to Clothing 423.

DEPARTMENT OF THE HOUSE

THE HOUSE 312.—House Planning, Furnishing. (2-0) Credit 2. I. Gives the student a practical knowledge in development and judging house plans for specific locations and those adapted to meet the needs of groups of varying income levels.

THE HOUSE 322.—Household Management. (2-0) Credit 2. II. This course is designed to give the student an opportunity to study some of the financial problems of the home.

THE HOUSE 403.—Supervised Household Management—Practice House. (1-14) Credit 3. I. or II.

Gives the student experiences in group living and opportunities to practice skills and techniques. A course of six weeks duration.

DIVISION OF MECHANIC ARTS

J. J. Abernethy, B. S. in M. E., Director

C. L. Wilson, M. E.

I. L. Jacquet

D. F. White, B. S. in A. E.

Sadie Allen Johnson

F. G. Fry, B. S. in E. E.

A. G. Cleaver

N. A. Jones

Edward Johnson

R. F. Johnson

T. H. Brittain

Wm. Cook

Henrietta Farrell, B. S.

J. M. Wilson

D. W. Martin, B. S.

Aims of the Division

The Division offers four-year curricula in Mechanical Arts and Industrial Education. Besides the four-year professional curricula, the division offers one, two and three-year courses in trades.

Mechanic Arts

The course in Mechanic Arts is designed to give a thorough training in fundamental principles of engineering and industry. The main object is to have so trained the student that it will give him a broader view of the whole industrial system.

Cultural development is not neglected. English literature, education, history, and economics are offered. Strong courses in science and mathematics are offered since they are closely related to modern industry and engineering.

The student on satisfactorily completing this course will be awarded the degree of Bachelor of Science in Mechanic Arts.

Industrial Education

The four year course leading to the degree of B. S. in Industrial Education is designed to train teachers of the various trades, and, as city directors of Vocational Education.

Trade Courses

Trade or vocational courses are offered for the benefit of two classes of students: (1) Those who cannot afford the time or expense of taking a longer course and who desire to apply their limited time directly to acquiring more skill in some one industry with a view of following it as a trade; (2) For the benefit of those who are engaged in some industry but who feel the need of acquiring more skill and efficiency in the work in which they are at present engaged.

Trade courses vary in length as follows: Printing, Blacksmithing and Wheelwrighting, Plumbing and Steamfitting, Brickmasonry and Plastering, Tailoring, and Carpentry and Cabinet Making extend through three academic years. Students desiring to specialize in Cabinet Making devote only one academic year to the work. The courses in Shoemaking, Stationary Engineering, Electrical Repair Work, Laundering and Dry Cleaning, and Auto Mechanics are planned to cover two years while the courses in Broom and Mattress Making and Machine Shop Practice are one year courses. It may be possible for those who have had some practical experience in a trade to complete the courses in a shorter time. However, no certificate will be granted until a full year has been devoted to a course. An applicant who has had some experience in a trade may be admitted to advanced standing provided that satisfactory evidence is shown of his ability to do the work. It is recommended that those who have had some experience in a trade endeavor to enroll at the beginning of one of the regular terms of the college year.

Students other than specials may pursue any of the above named trade courses as industry, receiving credit for same. They will, however, be required to devote the same number of hours altogether through a longer period before receiving full credit or a certificate.

Short courses in Mechanical Drawing, House Drawing, Plumbing, Auto Mechanics, Tractor Repair and Operation will be organized upon the receipt of five applications in each branch. These courses will be considered extension work, and are primarily for persons of mature age.

Requirements for Entrance

In order to enter a trade or vocational course the applicant must be at least sixteen years of age, must have completed the seventh grade and in all cases admission must be approved by the principal.

Expenses

In Auto Mechanics students will be required to purchase individual tool kits and text books which will be for sale at the College Exchange. The cost of text books and tools will be approximately \$18.00

OUTLINE OF COURSES IN MECHANIC ARTS DIVISION MECHANIC ARTS

FRESHMAN

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
English 113	(3-0) 3	English 123	(3-0) 3
Comp. & Rhetoric		Comp. & Rhetoric	
Education 113	(3-0) 3	Education 123	(3-0) 3
Intro. to Education		Psychology of Elementary School Subjects	
Chemistry 114	(2-4) 4	Chemistry 134	(2-4) 4
Inorganic			

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
Mathematics 113	(3-0) 3	Qualitative Analysis	
College Algebra		Mathematics 123	(3-0) 3
Mechanic Arts 112	(0-4) 2	Trigonometry	
Engineering Drawing		History 102	(2-0) 2
Military Science 111	(1-2) 1	Constitutional History	
Infantry		Mechanic Arts 121	(0-2) 2
		Descriptive Geometry	
		Military Science 121	(1-2) 1
		Infantry	

SOPHOMORE

Education 233	(3-0) 3	Education 273	(3-0) 3
Elem. School Methods		General Psychology	
Physics 214	(2-4) 4	Physics 224	(2-4) 4
General Physics		General Physics	
Mathematics 213	(3-0) 3	Mathematics 223	(3-0) 3
Analytic Geometry		Calculus I.	
Mechanic Arts 213	(3-0) 3	Mechanic Arts 223	(3-0) 3
Mechanism		Elem. of Steam & Gas	
Mechanic Arts 232	(0-4) 2	Mechanic Arts 263	(0-6) 3
Machine Drawing		Surveying	
Military Science 211	(1-2) 1	Military Science 221	(1-2) 1
Infantry		Infantry	

JUNIOR

Education 313	(3-0) 3	Education 333	(3-0) 3
Classroom Management		Methods in Sec. Ed.	
Mathematics 313	(3-0) 3	Mechanic Arts 333	(2-2) 3
Calculus II.		Heat Engines	
Mechanic Arts 313	(3-0) 3	Mechanic Arts 323	(3-0) 3
Applied Mechanics		Strength of Materials	
Mechanic Arts 333	(0-6) 3	Mechanic Arts 343	(0-6) 3
Architectural Drawing		Architectural Drawing	
Chemistry —	3	Mechanic Arts 363	(3-0) 3
Ferrous Metallurgy		Electricity	
Military Science 311	(1-2) 2	Military Science 321	(1-2) 1
Advanced Infantry		Advanced Infantry	

SENIOR

Mechanic Arts 413	(3-0) 3	Mechanic Arts 423	(3-0) 3
Hydraulics		Reinforced Concrete	
Mechanic Arts 433	(3-0) 3	Mechanic Arts 443	(0-6) 3
Heat. and Ventilation		Design	

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
Mechanic Arts 412	(0-4) 2	Mechanic Arts 483	(2-2) 3
Graphic Statics		Estimating	
Mechanic Arts 493	(3-0) 3	Mechanic Arts 422	(2-0) 2
Business Law		Business Law	
Education 453	(3-0) 3	Education 483	(1-5) 3
Vocational Education		Practice Teaching	
Mechanic Arts 473	(3-0) 3	Mechanic Arts 463	(3-0) 3
Communicative Eng.		Shop Management	
Military Science 411	(1-2) 1	Military Science 421	(1-2) 1
Advanced Infantry		Advanced Infantry	

NOTE:—Shopwork is required in Freshman, Sophomore, and Junior years. Seminar work is required both semesters of the Junior year. All Seniors must present satisfactory theses.

INDUSTRIAL EDUCATION

FRESHMAN

(Same as for Mechanic Arts)

SOPHOMORE

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
Education 233	(3-0) 3	Education 273	(3-0) 3
English 233	(3-0) 3	English 223	(3-0) 3
Journalism		English Literature	
Physics 214	(2-4) 4	Physics 224	(2-4) 4
Mechanic Arts 232	(0-4) 2	Mechanic Arts 242	(0-4) 2
Mechanical Drawing		Mechanical Drawing	
Military Science 211	(1-2) 2	Military Science 221	(1-2) 2
Infantry		Infantry	
Electives	2	Electives	2

JUNIOR

Education 313	(3-0) 3	Education 333	(3-0) 3
Education 393	(3-0) 3	Education 383	(3-0) 3
Economics 313	(3-0) 3	Government 323	(3-0) 3
Intro. to Economics		Civics	
Government 353	(3-0) 3	Industrial Ed. 363	(3-0) 3
Amer. Indus. History		Vocat. Guidance	
Mechanic Arts 333	(0-6) 3	Economics 363	(3-0) 3
Architectural Drawing		Prin. of Economics	
Military Science 311	(1-2) 2	Mechanic Arts 343	(0-6) 3
Advanced Infantry		Architectural Drawing	
		Military Science 321	(1-2) 2
		Advanced Infantry	

SENIOR

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
Industrial Ed. 413	(3-0) 3	Advanced Infantry	(3-0) 3
Organization & Manag.		Mechanic Arts 463	(3-0) 3
Education 453	(3-0) 3	Shop Management	
Industrial Ed. 433	(3-0) 3	Industrial Ed. 423	(3-0) 3
Trade Analysis		Job Analysis	
Industrial Ed. 412	(0-4) 2	Industrial Ed. 443	(3-0) 3
Shop Work		Course Making	
Military Science 411	(1-2) 1	Industrial Ed. 422	(0-4) 2
Elective	4	Shop Work	
		Military Science 421	(1-2) 1
		Advanced Infantry	
		Elective	4

Note: Theses required of Seniors.

TRADE COURSES

(The following trade courses are outlined for students in the junior and senior high school classes and any others who desire to take a straight trade course. "Hrs." represent clock hours per week devoted to subjects. No college credit allowed.)

Auto Mechanics Two Years	Hrs.	Broom & Mattress Making One Year	Hrs.
Subject		Subject	
Shop Practice	15	Shop Practice	15
Drawing	6	Drawing	6
Mathematics	4	Mathematics	4
English	3	English	3
Science	2	Science	2
Brick Masonry & Plastering Three Years	Hrs.	Electrical Repair Work Two Years	Hrs.
Shop Practice	15	Shop Practice	15
Drawing	6	Drawing	6
Mathematics	4	Mathematics	4
English	3	English	3
Science	2	Science	2
Carpentry & Cabinet Making Three Years	Hrs.	Machine Shop Practice One Year	Hrs.
Shop Practice	15	Shop Practice	15
Drawing	6	Drawing	6
Mathematics	4	Mathematics	4
English	3	English	3
Science	2	Science	2

Laundry & Dry Cleaning
Two Years

Subject	Hrs.
Shop Practice	15
Drawing	6
Mathematics	4
English	3
Science	2

Plumbing & Steam Fitting
Three Years

Shop Practice	15
Drawing	6
Mathematics	4
English	3
Science	2

Shoe Making
Two Years

Shop Practice	15
Drawing	6
Mathematics	4
English	3
Science	2

Printing & Linotype Operating
Two Years

Subject	Hrs.
Shop Practice	15
Drawing	6
Mathematics	4
English	3
Science	2

Stationary Engineering
Two Years

Shop Practice	15
Drawing	6
Mathematics	4
English	3
Science	2

Tailoring & Garment Making
Three Years

Shop Practice	15
Drawing	6
Mathematics	4
English	3
Science	2

The Division of Mechanic Arts has the following shops fully equipped with the most modern machinery for instruction in the following trades: Auto Mechanics; Broom and Mattress Making; Electrical Repair; Engineering and Construction; Laundering; Brickmasonry; Plumbing and Heating; Printing; Shoemaking; Tailoring; Carpentry.

DESCRIPTION OF COURSES OF STUDY**DEPARTMENT OF MECHANIC ARTS**

MECHANIC ARTS 112.—Engineering Drawing. (0-4) Credit 2. I. Selection and use of drawing instruments, construction of geometrical figures, lettering, orthographic projections, etc.

MECHANIC ARTS 121.—Descriptive Geometry. (0-2) Credit 1. II. More advanced problems than Engineering Drawing. Practical applications of the principles involved. Prerequisite: Engineering Drawing 112.

MECHANIC ARTS 212.—Machine Drawing. (0-4) Credit 2. I. Parallel conventional representations, detail and assembly working drawings modern drafting room systems. Prerequisite: Descriptive Geometry 121.

MECHANIC ARTS 213.—Mechanism. (3-0) Credit 3. I. Principles underlying the actions of the elementary combinations of all machines. Prerequisite: Plane Trigonometry and Descriptive Geometry 121.

MECHANIC ARTS 223.—Elements of Steam and Gas Power. (3-0) Credit 3. II.

Elementary study of steam engines, turbines, boilers, power-plant auxiliaries, gas and oil engines, natural and manufactured gas, and the elements of automotive engineering.

MECHANIC ARTS 232, 242.—Mechanical Drawing. (0-4) Credit 2 each semester.

Projection drawing, developments, intersections, and the elements of sheet metal drafting. Prerequisite: Descriptive Geometry 121. Second semester: machine drawing, working drawings, and elements of cabinet drawing.

MECHANIC ARTS 263.—Surveying. (0-6) Credit 3. II.

Elementary surveying problems; in field methods. Prerequisite or parallel: Plane Trigonometry and Engineering Drawing 112.

MECHANIC ARTS 313.—Applied Mechanics. (3-0) Credit 3. I.

Composition, resolution, and conditions of equilibrium of concurrent and non-concurrent forces; center of gravity; friction; laws of rectilinear and curvilinear motion of material points; moments of inertia; relation between forces acting on rigid bodies and the resulting motion; and of work, energy and power. Prerequisite: Calculus 223 and Physics 225.

MECHANIC ARTS 323.—Strength of Materials. (3-0) Credit 3. II.

Behavior of materials subjected to tension, compression, and shear; riveted joints, torsion, strength and stiffness of simple and continuous beams; bending moments and shear forces in beams; and the design of beams and columns. Prerequisite: Applied Mechanics 313.

MECHANIC ARTS 333, 343.—Architectural Drawing. (0-6) Credit 3 each semester.

A study of the architectural conventions and details; building materials, special attention to the development of a high standard of lettering and draftsmanship. Prerequisite: Descriptive Geometry 121. Second semester: Preparing working drawings and specifications for residences and other small buildings.

MECHANIC ARTS 363.—Electricity. (3-0) Credit 3. II.

The fundamental principles of direct current and alternating current electricity with their various applications; installation, operation, and care of electrical machinery. Prerequisite: Physics 225 and Calculus 313.

MECHANIC ARTS 383.—Heat Engines. (2-2) Credit 3. II.

Heating power engineering including thermodynamics, steam engines, boilers, turbines, internal combustion engines, fuel and combustion, power plant equipment, and air compressors. Prerequisite: Physics 225 and Calculus 313.

MECHANIC ARTS 412.—Graphic Statics. (0-4) Credit 2. I.

The laws governing the action of water at rest and in motion, as related to engineering problems; the measurement of the flow of water and its measurement; the description and theory of impulse wheels, reaction

turbines, and centrifugal pumps. Prerequisite: Applied Mechanics 313. MECHANIC ARTS 422. Engineering English. (2-0) Credit 2. II. The general problems of engineering writing.

MECHANIC ARTS 423.—Reinforced Concrete. (3-0) Credit 3. II. Theory and design of reinforced concrete footings, floor slabs, beams and columns; forming, proportioning and placing. Prerequisite: Strength of Materials 323.

MECHANIC ARTS 433.—Heating and Ventilation. (3-0) Credit 3. I. Fundamental principles of heating and ventilation including computation of heat losses, hot water, and direct steam heating systems, ventilation, fan systems of heating, and central heating.

MECHANIC ARTS 443.—Design. (0-6) Credit 3. II. Elementary principles of architectural design as applied to residences and small properties. Prerequisite: Architectural Drawing 323.

MECHANIC ARTS 463.—Shop Management. (3-0) Credit 3. II. Organization, shop location, arrangement of machinery and service equipment, orders, records, purchasing, storing, planning, routing, scheduling, and general management.

MECHANIC ARTS 473.—Communicative Engineering. (3-0) Credit 3. I. Magneto, common battery, and automatic telephone systems are studied. Special emphasis is placed on the installation and repair of telephone equipment; fundamentals of radio receiving sets. Prerequisite: Electricity 323.

MECHANIC ARTS 483.—Estimating. (2-2) Credit 3. II. Estimating material quantities; preparation of preliminary estimates of cost from sketch plans; preparation of detailed estimates of cost from complete working drawings and specifications.

MECHANIC ARTS 493.—Business Law. (3-0) Credit 3. I. This course is designed to give the student a general knowledge of contracts, agency, partnership, negotiable instruments, patent law, and trade marks. Prerequisite: Senior classification.

MECHANIC ARTS.—Shop Work. (Required) (0-8) Credit 4. II. The student in Mechanic Arts may elect shop work from any of the trade departments as described in the following pages. This, however, should be made in consultation with the Director at the beginning of each quarter.

MECHANIC ARTS.—Seminar. (1-0) No Credit I, II. Required of all juniors enrolled in the college course of Mechanic Arts. An assembly of students in Mechanic Arts to discuss topics of technical interest. Inspection trips to nearby industrial centers are made during the senior year. All senior students are required to go on inspection trips.

DEPARTMENT OF INDUSTRIAL EDUCATION

INDUSTRIAL EDUCATION 363.—Vocational Guidance. (3-0) Credit 3. II.

A survey of the recent development of educational and vocational guidance within and outside of the schools; analysis of personal characteristics; value of cumulative school records; methods of keeping records; optional guidance through literature; a study of physiological industrial and commercial tests.

INDUSTRIAL EDUCATION 412, 422.—Shop Work. (0-4) Credit 2 each semester.

Students in Industrial Education will select some trade in which to specialize.

INDUSTRIAL EDUCATION 413.—Organization and Management in Industrial Education. (3-0) Credit 3. I.

Problems in organization and managing industrial schools and departments; making surveys.

INDUSTRIAL EDUCATION 433.—Trade Analysis. (3-0) Credit 3. I. The student must know a trade which will be divided into its several parts, as: units, operations, jobs, sciences, mathematical contents, etc. This material will then be organized in teachable form.

INDUSTRIAL EDUCATION 423.—Job Analysis. (3-0) Credit 3. II. A study of the division of trades.

INDUSTRIAL EDUCATION 443.—Course Making. (3-0) Credit 3. II. This course is designed especially, for industrial courses and methods of outlining courses of study to meet various needs of the different types of classes.

DEPARTMENT OF TRADE COURSES

Automotive Science

AUTOMOTIVE SCIENCE.—The underlying principles governing the operation of the Internal Combustion Engine, the study of the function of other units of automotive equipment and of auxiliary electrical equipment. Two double periods weekly.

SHOP MATHEMATICS.—One period daily is devoted to the review of Addition, Subtraction, Multiplication, Division, Common and Decimal Fractions, Ratio and Proportion, Square Root, Percentage and Interest, together with the study of Algebraic Symbols, some Practical Geometry and many short methods of shop calculation pertaining to Auto Mechanics.

Note: A similar course is required of all students in other trade courses. AUTOMOTIVE DRAFTING.—Three double periods weekly will be devoted to freehand perspective and isometric sketching of automobile parts. Practice in the reading of various blue prints relative to automobile electrical systems, etc., will be given.

ELEMENTARY AUTOMOTIVE PHYSICS.—Two periods weekly will be given to the study of physical principles often encountered in the function of different units of the automobile.

SHOP PRACTICE.—Sufficient equipment is available to enable students to receive ample practice in the dissembly and the repair of all chassis units.

AUTOMOTIVE BLACKSMITHING.—Automotive Blacksmithing gives the student sufficient knowledge of blacksmithing to enable him to handle jobs requiring the aid of a blacksmith.

ELEMENTARY MACHINE SHOP PRACTICE.—This course covers bench work, vise work, chipping, filing, arbor press work, power hack saw work, drilling, tapping, threading, grinding, etc.

ELECTRICAL REPAIRS.—The student is given practice in the repair of the various types of ignition systems, magnetos, starting motors, generators and electrical control devices as well as sufficient road work in trouble shooting incident to same.

OXY-ACETYLENE WELDING.—During some part of the last semester each student will be taught the fundamental principles of oxy-acetylene welding as well as given sufficient practice in welding light cast, heavy cast, steel, brass, copper and aluminum, as to form the foundation of future specializations. Soldering will be included.

Brickmasonry

The purpose of this course is to train bricklayers and foremen. The course is outlined to cover a period of three years.

ACADEMIC SUBJECTS.—The following Academic subjects are required: English, General Mathematics, General Science, Physics, Chemistry, American History, Industrial History, Business Law and Business Procedure.

TRADE THEORETICAL SUBJECTS.—The term, Trade Theoretical Subjects, includes trade theory as developed in lectures and discussions in Trade Science, Shop Mathematics, Shop Hygiene, Drafting, Blueprint Reading, Materials and Estimating.

TRADE PRACTICE.—About one-half of the time allotted to the course is given to actual Trade Practice.

Broom and Mattress-making

BROOM-MAKING.—This course includes instruction in assorting broom corn, seeding, staining, bleaching, putting on handle corn, putting on shoulder corn, putting on turn backs corn, cutting shoulders, covering brooms, putting hurl corn, forming the bead, velveting the bead, putting tin locks, also in the making of warehouse brooms, beading and banding, scraping and sewing, clipping and bundling in dozen lots, and all finishing hand work necessary to the manufacture of high grade brooms. The course also includes estimating accurately the amount of work or loss in any given amount of corn and the number of brooms of different

grades, or weights that can be made from any given amount of broom corn and cost estimates. Instruction is given regarding the selection and care of tools and equipment.

MATTRESS MAKING.—This course includes instruction in making and repairing of mattresses of all sizes and shapes, the amount of certain grades of filling that should be used in a mattress of a given size, the making of sectional feather mattresses, cotton and feather pillows, the making of all sizes of mattress ticking, and pillow ticking; cost estimate of the production of certain kinds and weights of mattresses, also the instruction in the different kinds of machinery used in mattress making and the care of same.

Carpentry and Cabinet Making

This course includes one year of Cabinet Making and two years of Carpentry and House Building.

DRAWING.—Name and uses of the drawing instruments, lettering, geometrical problems, projects of simple solids, orthographic projection, pictorial drawing, tracing, blue print reading, furniture design and and house planning.

ENGLISH.—This course includes grammar, composition and rhetoric as given to students in the first year of the Academic department. The aim is to have the workman prepare to express himself clearly.

Note.—A similar course is required of all students in Auto Mechanics, Laundering, Plumbing, Machine Shop, Printing, and Tailoring.

SCIENCE.—Elementary principles of Physics and Chemistry.

PRACTICE.—Care of shop, names of tools, use and care of tools, study of materials, sawing, beveling, plumbing, nailing, elementary furniture making, advanced furniture making, window and door frames, house framing, siding, shingling, sheeting, flooring and interior finishing, saw filing and wood turning.

Electrical Repair Work

The course is outlined to cover a period of eighteen months. It includes the study of commercial methods of generating electric current, simple electrical circuits, electrical conventions and wiring diagrams, chemical action and development of E. M. F., primary and secondary cells, function of storage cell parts, plates; jars and cases, assembling plates, gas and electric lead burying, testing, Cadum, Watt-hour, specific gravity, method of sealing, charging and discharging, building the complete battery, the storage battery station, organization, equipment and purchasing of materials, analysis of costs and setting retail price, the battery manufacturer and the battery station, advertising and the newspaper, and policy.

Laundry and Dry Cleaning

The object of this course is to fit the student for work in either the

hand or steam laundries in our large cities and also to prepare him to take complete charge of this class of work in small towns.

LAUNDERING AND DRY CLEANING.—Practice work will be given in all phases of laundering and dry cleaning and will include work with cylinder washers, extractors, shirt starching, starch cookers, flat work ironers, collar and shirt ironers, pressing machines, collar shapers and other machinery found in first class laundries. Since all of the work of the College and the students is done in our college laundry, this work will be extremely practical.

SCIENCE.—The course will include the study of the effect of soft and hard water, the different cleaning preparations and uses of each, the study of, and experiments with common bluing and dyeing.

TEXTILES.—The manufacture of cotton, linen, silk and woolen garments is studied in order that the structure will be understood and the proper method of laundering chosen.

Course in Machine Shop Estimating

SHOP PRACTICE.—This course aims to provide the thorough training required of a competent all-round machinist. The instruction consists of shop work and lectures

SHOP MATHEMATICS.—The instruction in all cases is by concrete examples and problems relating to the trade. Arithmetic, fractions, decimals, discount, elementary geometry, chiefly the measurements of angles, chords, and arcs, areas of triangles, rectangles, circles and cubic contents of tanks, bins, cylinders, cones and other bodies. English and metric system of weights and measures, formulae, simple fundamental processes applied to solution of shop problems.

SCIENCE.—This course consists of problems involving the laws of the lever, wheel and axle, inclined plane, screw wedge, etc., expansion and contraction of solids, liquids and gases, water pressure, horse power of pumps and engines; physical properties of machinery materials, metals, their force, weight, strength, color, hardness, malleability, ductility and use; chief alloys: brass, bronze, babbitt, etc., and uses; cast iron, wrought iron and steel manufacture, use and strength.

MECHANICAL DRAWING.—In drafting the aim is to give the student familiarity with the working drawings so that he may read a drawing intelligently and work from it and make when necessary his own working drawings. Attention is given to rough freehand dimensions and sketching. General use and care of drawing instruments. Freehand lettering, proper placings of machine parts, practical drill in projections and revaluations of solids. Conventions in pipe sizes. Drawing from sketches and data. Making details from layout or assembly drawings.

Plumbing and Steamfitting

The object of this course is to prepare young men as plumbers and steam fitters.

PLUMBING.—Names and care of tools, cutting and threading pipe, tapping water mains, running sewer pipe, running soil, calking, wiping joints, soldering, roughing in bathroom and toilet fixtures, setting bathroom and toilet fixtures, connecting boilers, engines and pumps to water and steam lines, repair work of all kinds, steam heat and hot water connections, study of plumbing laws and city ordinances.

DRAWING.—This course includes the use of instruments, lettering and sketching, orthographic projection, floor plans and sections of buildings with the putting in of complete plumbing layouts.

Printing

The Printing Department aims to give its students thorough training in the fundamental operations in the practice of printing. As far as possible individual instruction is given each student.

SCIENCE.—Chemistry as it relates to printing, elementary physics.

PRINTING.—The case, the point system, measurement and type of stock, history of printing, practice in setting straight matter, fundamentals of job composition, cylinder press work, platen press work, principles of design and display, and linotype operation.

Shoemaking

The chief aim of this course is to train the student to become a practical shoemaker in order that he may be able to care for the class of work found in the average town or city.

DRAWING AND PATTERN MAKING.—This course includes the use of instruments, lettering and sketching, orthographic projection, and development of intersection with practical application in shoemaking. It includes the making of patterns from measurements and fittings.

LEATHER MANUFACTURE AND USES.—This course will not only include the different kinds of leather, but will also give the student a thorough knowledge of the kinds and uses of different leathers.

BOOKKEEPING AND ACCOUNTING.—The proper shop accounting is taught in this course. Record keeping, estimating, cost finding and purchasing are also given in order that the student may be able to conduct the trade on sound business principles.

Note: A similar course is required of students in Laundry, Printing and Tailoring.

Stationary Engineering

The object of this course is to prepare the student to operate and to make the ordinary repairs necessary in steam plants of small towns and act as assistant engineer in plants of large cities.

Machine Shop Practice includes practice in shaping, filing babbitt, soldering, drilling and turning; practice in cutting and threading pipe, connecting boilers, engines and pumps to water and steam lines; practice in heating, drawing out, bending, upsetting, welding, tempering

and hardening of iron and steel and making of small tools; practice in firing both the return tubular boiler and the water tube boiler, together with the operation and maintenance of boiler feed water pumps and feed water heaters; practice in engine and dynamo attendance and maintenance on various types of machinery, including the Corliss engine, high speed cut-off engines, air compressors and turbines; practice in operation and maintenance of ice making and refrigerating machinery. This course also includes the study of the various types of boilers, steam engines and auxiliaries.

DRAWINGS.—This course includes the use of instruments, sketching, orthographic projection, and machine drawing and standards.

ESSENTIALS OF ELECTRICITY.—In this course fundamental principles underlying alternate and direct current and a few industrial applications will be given.

Tailoring

The object of this course is to prepare the student to become a practical tailor and garment repairer.

TAILORING PRACTICE.—Practice in hand needle work, basting and making different kinds of stitches, taking measurements, practice in making vests, trousers, Prince Alberts, cut-aways, and double-breasted coats.

DRAFTING.—The drafting includes uses of instruments, lettering and sketching, orthographic projection and development.

TEXTILES.—A study of serge and worsteds as to their manufacture, use and proper methods of working into garments.

TAILORING MACHINERY.—A close study of the various types of machines used in tailoring.

BUSHELING.—A study of repairing, cleaning and pressing of men's and women's clothing in general.

DIVISION OF NURSING EDUCATION

John M. Franklin, M. D., Superintendent

W. A. Richardson, M. D.

Mabel Lucas, B. S.

Martin. L. Edwards, M. D.

L. M. F. Langford, R. N.

M. S. Brannon, R. N.

Alvin K. Smith, D. D. S.

Zula A. Douglass, R. N.

H. C. Fitzgerald, Ph. G.

E. B. Evans, D. V. M.

F. A. Jackson, M. B. A.

The purpose of this department is to give to young women an education in a profession that is honorable, independent, and helpful to themselves and others.

The school of Nursing has an affiliation with the Jefferson Davis Hospital, Houston, Texas, which enables the nurses during their senior year to get experience in pediatrics and obstetrical nursing. The time required in these branches of nursing is six months.

The course in Nursing Education covers a period of three years of twelve months each from date of entrance. The first four months constitute a probationary term. This is a period of intensive study and adjustment to institutional and hospital life, and is intended to prove the applicant's fitness or unfitness for the work. The affiliation period is included in the three year term. Upon completion of the three years' work with 92 semester hours credit a diploma is given which makes the nurse eligible to take the Nurses' State Board Examination.

Requirements for Admission

Applicants desiring to enter this department must have completed four years of high school work in an accredited high school and must be between the ages of eighteen and thirty-five. Preference will be given to applicants with training superior to the above. Aside from educational qualifications, the applicant must have good health and morals. High school transcripts are approved by the School and State Board of Nurse Examiners. After approval of transcripts, applicant will be advised to report to the hospital on September first.

Application blanks may be obtained from the Director of Nurses upon request.

Necessary Articles

Applicants are required to bring the following articles: four sheets, three pillow cases, one pillow, sufficient cover, three gingham dresses, an umbrella, rain coat, overshoes, low heel black kid oxfords with rubber heels, and other necessities. Two spreads, four hand towels, four bath towels, a work-box containing articles for mending, a cheap watch with a second hand, and a clinical thermometer.

Health

All students of nursing education, when ill are cared for gratuitously, receiving the professional services of the hospital physicians. Time, above two weeks, lost through illness or any other cause, must be made up.

Vacation

A vacation of three weeks is given the first and second year, and two weeks will be given the third year.

Instruction

Systematic courses of lectures, classes and demonstrations are conducted by the hospital staff and faculty. The outline of the course of study is as follows:

OUTLINE OF COURSE OF STUDY

FRESHMAN

First Semester	Sem. Hrs.	Second Semester	Sem. Hrs.
English 113	(3-0) 3	English 123	(3-0) 3
Comp. & Rhetoric		Comp. & Rhetoric	
Chemistry 114	(2-4) 4	Chemistry 124	(2-4) 4
Inorganic		General	
Nursing Ed. 103	(2-2) 3	Nursing Ed. 122	(2-0) 2
Bacteriology for Nurses		Hygiene & Sanitation	
Nursing Ed. 113	(3-0) 3	Nursing Ed. 123	(3-0) 3
Prin. & Prac. of Nursing		Prin. & Pract. of Nursing	
Nursing Ed. 132	(2-0) 2	Nursing Ed. 143	(3-0) 3
Ethics & Hist. of Nursing		Applied Psychology	
Nursing Ed. 153	(2-2) 3	Nursing Ed. 163	(2-2) 3
Anatomy & Physiology		Anatomy & Physiology	
Nursing Ed. 133	(1-4) 3	Nursing Ed. 183	(3-0) 3
Dietetics		Materia Medica	

JUNIOR

Nursing Ed. 373	(2-0) 2	Nursing Ed. 322	(2-0) 2
Medical Nursing		Surgical Nursing	
Nursing Ed. 352	(2-0) 2	Nursing Ed. 344	(1-6) 4
Gynecology		Pediatrics & Infant	
Nursing Ed. 311	(1-0) 1	Feeding	
Case Study		Nursing Ed. 324	(1-6) 4
Nursing Ed. 332	(2-0) 2	Obstetrical Nursing	
Advanced Ethics		Nursing Ed. 321	(0-2) 2
Nursing Ed. 312	(2-0) 2	Drugs & Solutions	
Advanced Nursing			

SENIOR

First or Second Semester

	Sem. Hrs.		Sem. Hrs.
Nursing Ed. 412	(1-2) 2	& Professional Problems	
Surgical Nursing		Nursing Ed. 422	(2-0) 2
Nursing Ed. 431	(1-0) 1	Medical Specialties	
Psychiatric Nursing		Nursing Ed. 421	(1-0) 1
Nursing Ed. 411	(0-2) 2	Nursing in Diseases of Eye,	
Emergency Nursing and		Ear, Nose & Throat	
First Aid		Nursing Ed. 442	(2-0) 2
Nursing Ed. 432	(2-0) 2	Modern Social & Health	
Survey of the Nursing Field		Movements	

The remaining credit is granted for time spent in the Jefferson Davis Hospital, Houston, Texas.

DESCRIPTION OF COURSE OF STUDY

PHYSICAL EDUCATION 111.—See Division of Arts and Sciences.

NURSING EDUCATION 113, 123.—Principles and Practices of Nursing. (3-0) Credit 3 each semester.

This course gives a clear understanding of the fundamental principles of good nursing. Helps to develop the habits of observation, system economy, and manual dexterity. To develop a love for nursing, and pride in good workmanship.

NURSING EDUCATION 121.—Urinalysis. (1-0) Credit 1. II.

The object of this course is to teach the student to recognize normal from abnormal urine and the associated pathology with each abnormality. To acquire the laboratory technique and learn the various tests employed in the analysis of urine.

NURSING EDUCATION 122.—Hygiene and Sanitation. (2-0) Credit 2. II.

To impress upon the student the importance of good health and formation of sound health habits. Furthermore to recognize the importance of the opportunities of the nurse as a teacher of personal and public hygiene. Required of all students intending to major in Physical Education.

NURSING EDUCATION 132.—Ethics and History of Nursing. (2-0) Credit 2. II.

To inculcate into the student the ethics of Florence Nightingale pledge and to teach the proper behavior with a formulation of a clear and more definite philosophy of life. Secondary from a standpoint of history, its aim is to arouse interest in nursing as an occupation by acquainting the student with the great leaders of nursing, its long and splendid history, and the tradition and ideals of nursing.

NURSING EDUCATION 133.—Dietetics. (1-4) Credit 3. I.
This course gives the principles and methods underlying simple cookery for well and sick people. To familiarize the student with nutritive value of foods and how to plan a balanced diet for the well or convalescent patient according to age, physical activities and climate.

NURSING EDUCATION 143.—Applied Psychology for Nurses. (3-0)
Credit 3. II.

An effort is made to acquaint the nurse with the fundamental principles underlying human conduct and to develop certain principles for dealing with patients and others professionally. This course also provides a basis for subsequent courses in psychiatry.

NURSING EDUCATION 153, 163.—Anatomy and Physiology. (2-2)
Credit 3 each semester.

To stimulate in the student an interest in and an appreciation of the human body as an efficient machine, and to give the students a practical working knowledge of the structure and function of the normal human body as a basis for study of hygiene, dietetics, and all pathology as well as for safe and intelligent practice of nursing.

NURSING EDUCATION 183.—Materia Medica. (3-0) Credit 3. II.
This course enables the nurse to administer prescribed drugs intelligently and to recognize their effects. It includes the study of the source, prevention, actions and dosage of drugs, as well as recognition and treatment of over dosage.

NURSING EDUCATION 311.—Case Study. (1-0) Credit 1. I.
The object of this course is as follows: To enable the student to study each patient as a whole. To aid the student in seeking information about her patients in an organized and systematic way. To record such information so that it has practical value to herself and others.

NURSING EDUCATION 312.—Advanced Nursing. (2-0) Credit 2. II.
This course is a continuation of general nursing procedures requiring more skill and greater effectiveness.

NURSING EDUCATION 321.—Drugs and Solutions. (0-2) Credit 2. II.

To teach the student how to make and use solutions properly. To point out the essential value of a thorough knowledge of solutions as to strength and therapeutic effect.

NURSING EDUCATION 322.—Surgical Nursing. (2-0) Credit 2. II.
The object is to give the student a good general knowledge of the chief surgical diseases, their causes, symptoms, pre-operative and post-operative treatment so that she may care for the patient intelligently and be of the greatest possible help to the surgeon in promoting recovery.

NURSING EDUCATION 324.—Obstetrical Nursing. (1-6) Credit 4. II.
It is the intention of the course to give the student working knowledge of the medical care and nursing care of maternity patients from incipient stage of pregnancy through perperium. Six months affiliation with

Jefferson Davis Hospital in theory and practice of obstetrics.

NURSING EDUCATION 332.—Advanced Ethics. (2-0) Credit 2. I.
To give advanced ethical procedure in nursing, and discuss advanced ethical problems.

NURSING EDUCATION 344.—Pediatrics and Infant Feeding. (1-6)
Credit 4. II.

Its objective is to help nurses understand something of the physical and mental development of the normal children. To teach the care of sick or well children and to plan proper diet for both.

NURSING EDUCATION 352.—Gynecology. (2-0) Credit 2. I.
The object is to give a minute knowledge of the anatomy of the female pelvic organs, a study of the diseases of same, their causes, symptoms, medical and surgical treatments, and nursing care.

NURSING EDUCATION 372.—Medical Nursing. (2-0) Credit 2. II.
The study of general disease is made and special attention is given to the causes, symptoms, prevention and treatments of common diseases. Secondly, enables students to recognize their symptoms and to see the effects of treatment.

NURSING EDUCATION 411.—Emergency Nursing and First Aid. (0-2) Credit 1. I.

This course is intended to help the nurse adapt her hospital methods to emergency situations in accidents of various kinds. To teach quick thinking, adaptability, resourcefulness, economy, speed and careful technique in emergencies.

NURSING EDUCATION 412.—Surgical Specialties. (1-2) Credit 2. II.
To teach operating technique in orthopedics, gynecology and urology.

NURSING EDUCATION 421.—Nursing in Diseases of the Ear, Eye, Nose and Throat. (1-0) Credit 1. II.

This course is a study of the sense, abnormalities, treatments and nursing care of diseases of these organs.

NURSING EDUCATION 422.—Medical Specialties. (2-0) Credit 2. II.
Objects: (1) To teach the principles underlying prevention and control of communicable disease. (2) Through a study of causes and symptoms a nurse may help in securing an early diagnosis of the case. (3) To relate more closely the methods of asepsis to general nursing care. (4) To teach the method of handling communicable diseases in the home and community. (5) To show the need of education of the public in preventive hygiene.

NURSING EDUCATION 431.—Psychiatric Nursing. (1-0) Credit 1. I.
The object of the course is to teach the student nurse that Mental Changes occur in physically sick patients and the recognition of such changes. To give the student nurse an elementary but authentic knowledge of the mental mechanism that initiates conduct, with a view toward increasing the nurse's own mental stability and to develop a keen interest in and a more sympathetic understanding of human nature.

NURSING EDUCATION 432.—Survey of Nursing and Related Professional Problems. (2-0) Credit 2. I.

This branch of study gives consideration to the various fields of nursing open to the graduate nurse, the problems encountered and the methods of meeting them.

NURSING EDUCATION 442.—Civic Sociology; Modern and Social Health Movements. (2-0) Credit 2. II.

This course is designed especially for students in nursing education, and will cover civic movements, and problems with reference to health, public housing, play and recreation, and Americanization. Textbooks, reports, and problems.

COMPOSITION.—See Division of A. & S.—English 113.

INORGANIC CHEMISTRY.—See Division of A. & S.—Chemistry 114, 124.

NURSING EDUCATION 103.—Bacteriology for Nurses. (2-2) Credit 3. I.

A general course with special emphasis on Nursing needs.

ADVANCED COURSES

General Statement

The purpose of these courses is to give certain exceptional students an opportunity to do advanced study in the fields of Education, Chemistry, English, and Social Sciences, with a view to making more effective teachers for the Secondary Schools and Junior Colleges, and to provide, at least, a general training in the use of the more simplified instruments of research and investigation of a practical nature. These courses are offered during the summer session only.

Courses of Instruction

The courses offered will represent a definite relation to the academic program of the college and shall be reflective of the needs of the student. The course offerings will be grouped so as to provide for a systematic plan, involving a definite aim. At present the work will be restricted to the following fields:

A.—EDUCATION:

S515—Educational Administration.

S513—Elementary Statistics.

S533—Educational Measurements.

S525—Problems of Educational Administration—Interpretation of present tendencies.

S545—Problems in Rural Education.

S535—Materials of Instruction.

S553—Elementary Research.

S573—Seminar and Thesis Writing.

B. CHEMISTRY:

S515—Quantitative Analysis; Advanced Qualitative Analysis.

S513—Organic Preparations.

S533—Qualitative Organic Analysis.

S525—General Theoretical and Physical Chemistry.

S523—Physico-Chemical Calculations.

S523—Advanced Physical Chemical Laboratory.

S553—Industrial Chemistry; Lectures and Recitations.

S573—Industrial Analysis.

S535—Bio-Chemistry.

S532—Seminar and Thesis.

C. ENGLISH:

S513—An Introduction to Graduate Work in English; Methods and Bibliography of Research.

S533—Advanced Shakespeare.

S523—Seminar in Elizabethan Drama.

S525—Theme Writing.

S535—The Short Story.

D. SOCIAL SCIENCES:

S513—Rural Sociology.

S533—The Rural Community.

S523—Rural Survey Methods.

S543—Principles of Rural Community Organizations.

S515—Rural Education and Country Life.

S535—History of Modern Social Thought.

ENROLLMENT—SUMMER SESSION, 1931

Division of Agriculture

George Adams, Oakland; Jesse J. Adams, Cuero; Willie J. Adams, Manor; Norman A. Allen, Needville; Ulysses E. Allen, Paris; Monfus Archia, Hempstead; Berryman Armstrong, Cold Springs; Robert A. Atkinson, Schulenburg; Fred D. Batts, Hammond; Norris Batts, Calvert; Luther D. Baukrite, Bryan; Ulysses S. Blanks, Beaumont; Arthur Miller Boone, Sargent; Alonzo A. Bradley, Overton; Frank Brisco, Delia; R. L. Brigman, Atlanta; Benjamin Bush, Austin; Napoleon P. Byrd, Midway; N. W. Caldwell, Hempstead; E. J. Campbell, Nacogdoches; Dock Canada, Fodice; A. C. Clemons, Neches; John T. Clinton, Rusk; Roosevelt Coleman, Jamestown; S. Edward Cooper, Bartlett; Winmon H. Coss, Laneville; Arlone B. Davis, Lott; Carl L. Davis, Fodice; Oscar C. Davison, Midway; Ira A. Donovan, Ledbetter; Martin Luther Dorsey, Corledge; A. F. Douglass, Caldwell; Thomas J. Downs, Gilmer; J. L. Dunlap, Ledbetter; Flem S. Dunlavy, Ft. Worth; Welton Dwellingham, Nacogdoches; Commodore Eason, Weimar; E. L. Ellis, Anderson; Frank K. Evans, Eastland; Moses W. Evans, Hempstead; H. L. Farris, Hearne; Agnia A. Fedford, Bellville; Betonio Freeman, Limestone; A. D. Garrett, Nacogdoches; Ivey S. George, Overton; S. G. H. Glasgow, Palestine; Franklin James Grant, Houston; Huttie Griffin, Ledbetter; Roland E. Griffin, Ledbetter; M. A. Hampton, Troup; H. H. J. Harris, Carmine; Ernest Edward Hatchett, Shiner; Willie A. Heagins, New Willard; Booker T. Henry, Stoneham; A. L. Hooper, Nacogdoches; Calvin Jefferson, Calvert; Charles L. Jingles, Hempstead; Frank P. Jingles, Somerville; Clarence A. Johns, Silsbee; B. L. Johnson, Trinity; Elvis C. Johnson, Nigton; T. H. Johnson, Crockett; Waye Charles Johnson, Marshall; Alexander Jones, Malakoff; G. Jones, Winnsboro; H. R. Jones, Mt. Pleasant; Jacob J. Jones, McGregor; Homer Kennard, Navasota; Eddie Winston Kyle, Houston; Monroe W. Lawson, Montgomery; Charlie Lewis, Wiergate; Fred Wilie Lockett, Garrison; Charles Love, Calvert; Dewey Morrison Martin, Ft. Worth; Hoegie J. Martin, Fodice; Columbus C. Matthis, Jefferson; H. W. McCowen, Dekalb; Davis McCullough, Crockett; Lloyd Garrison McDonald, Groesbeck; Lester McKee, Hempstead; Waldo E. McWhorter, Houston; Alfred Riles Mills, Houston; Oliver Hilliard Moore, Marshall; John Wesley Pruitt, Creek; Warren W. Pruitt, Crockett; John H. Reagan, Marshall; Roby H. Richards, Hempstead; James J. Robinson, Columbus; Samuel James Ross, Kerens; Lucher Samuel, Bleakwood; Ardis D. Sanders, Quitman; L. A. Simmons, Burkeville; James William Smothers, Henderson; David C. W. Snell, Wiergate; J. M. Southwell, Willis; Isaac Spencer, Luling; W. D. Spigner, Calvert; Nolan S. Stevens, Goliad; Floyd D. Taylor, Bastrop; Chester Elmer Thomas,

Kerens; F. W. Thomas, Mexia; Arthur Lee Traylor, Omaha; Ben Wade Turner, Conroe; Samuel A. Vaughn, Chandler; C. A. Washington, Marietta; Cad Williams, Palestine; P. J. Winston, Selma; Joseph J. Yates, Atlanta; Wyatt Thompkins, Giddings.

Division of Arts and Sciences

Grace Abernethy, Prairie View; Ida Lee Holt Adams, Beaumont; Mattie H. Addison, Corsicana; Pearl D. Aldridge, Paris; J. F. Alexander, Rusk; Beatrice C. Allen, Harlingen; Carnie E. Allen, Kendleton; Elsie M. Allen, Brenham; Jocie Allen, Mt. Pleasant; Olivia S. Ammons, Denton; Mattie Anderson, Teague; Murdie M. Anderson, Wiergate; Lizzie B. Armbrister, Brenham; Timmoxena F. Arnold, Waco; Lessie H. Ashford, Navasota; Lena Atchison, Fastrill; M. Atkinson, Greenville; Thelma L. Atkinson, Brenham.

Alice E. Banks, Denton; Juanita O. Banks, Navasota; M. P. Banks, San Antonio; M. K. Barlow, Sabine Pass; Tryphena W. Barnett, Jefferson; Millie A. Bates, El Paso; Venora Battle, Cuney; Charlie M. Batts, Waco; Graves F. Batts, Calvert; Bessie L. Baxter, Kerens; Mamie T. Beal, Calvert; Addie E. Becton, Clarksville; Ruby Steptoe Bell, Houston; Inez Bennett, Hempstead; Nancy V. Berry, Hawkins; Rutha Mae Bevil, Jamestown; Leola Black, Bryans Mill; Corine J. Blair, Temple; Lillian Blair, Willis; Mattie A. Blake, Jefferson; A. E. D. Blanks, Oakhurst; Amus Booker, Burkeville; R. E. Bookman, Shiro; Arizona H. Bouldin, Wealder; Grace Boutte, Houston; Rebecca S. Brach, Somerville; Bessie M. Bradley, Orange; Laurene T. Hilliard Bradshaw, Denison; Janie S. Breeding, Eagle Lake; Eloise L. Briggs, Beaumont; Theresa J. Bright, San Antonio; Florizella Brigman, Atlanta; Johnnie M. Brock, Burleson; Margaret V. Brook, Yoakum; John Henry Brown, Troup; Joseph L. Brown, San Marcos; Reba Brown, Navasota; Tommie S. Brown, Ft. Worth; Willia Lee Brown, Cameron; Dora B. Bryant, Roganville; Frank Bryant, Pineland; Ledell T. Bryant, Ft. Worth; Letona B. Kelly Burks, Cameron; Elinor Bell Butler, Sweet Home; Anna Rebecca Byrd, Cold Springs; Gertrude V. Byrd, Ft. Bend.

Creola Cade, Jasper; L. A. Callahan, Houston; Nexcy Mae Cannon, Texarkana; Idell V. Canty, Hempstead; Maggie M. Carter, Nigton; Corinne E. Cass, Bryan; Addie B. Catley, Winchester; Maud E. Cawthon, Houston; Ollie Mae Chappell, Dallas; Ananza S. Chatman, Axtell; Edith E. Chatman, Washington; Lou Ella Cheeks, Giddings; Hagar Alma Choice, Tyler; Martholean Choyce, Tyler; Aslee Clark, Nacogdoches; Marie Clater, Waco; Mary E. Coger, Ft. Worth; Eddie Coleman, Jefferson; Emma A. Coleman, Hempstead; Johnnie M. Coleman, Hempstead; Lena Mae Coleman, Corsicana; Hutchins A. Collins, Lovelady; Pearl Augusta Watts Connor, Mexia; Della Thomas Cook, San Augustine; Sallie Cook, San Augustine; Charles Robert Cooper, Jefferson; Luvenia E. Cormier, Beaumont; Ethel B. White Cosby, Hearne; Alberta Counter, Bryan; D. J. Craig, Clarksville; Rhoda Lee Crawford, Houston; Lillie B. Cuba, Gilmer.

PRAIRIE VIEW STATE N. AND I. COLLEGE

Augusta H. Daniel, Livingston; C. H. Daniels, Center; Caldonia Daugherty, DeKalb; Alveretta Speaker Davis, Wharton; Bessie Van Word Davis, Houston; Blanche H. Davis, Bryan; Hortense Davis, Hempstead; Malinda Davis, Glen Flora; Timmie Davis, Bryan; Maggie Day, Traywick; Lulu M. Dean, Bryan; Lee Frankie Deere, Chriesman; Lillian Alpha Dees, Hallettsville; Julia DeShay, Temple; Leola Ruth Dickerson, Columbia; Thelma Ethel Diggs, Bellville; Emma Earselene Dilworth, Granger; V. Lessie Dixon, Lott; Roy E. Dixon, Dallas; Amanda A. Dodson, Harris; Jannie Mae Doggett, Harris; Marshall M. Lillie Donovan, Ledbetter; Emma Gene Dotson, Lyons; Charlie M. Drennon, Calvert; Oria Dunn, Trinidad; Radell W. Durham, San Marcos; Pinkie Duty, Clarksville; Zelma Lee Hill Dykes, Rockdale.

Xenia Earles, Galveston; Porter L. Eastland, DeKalb; Eva Mae Eaton, College Station; Evangeline Edgar, Port Arthur; Elizabeth Edwards, Muldoon; Juanita Enge, Groesbeck; Bernice Porter English, Jackson, Tenn.; Ellie Mae Evans, Sulphur Springs; Pearl Evans, Giddings.

Roberta Bell Farris, Wichita Falls; B. M. Fisher, Lodi; F. E. Flanagan, Washington; Oneata S. Flanagan, Washington; Virginia Flanagan, Washington; Adlene Wooten Fleeks, Fodice; Daisy T. Flemmings, Ful-shear; Jessie L. Flemmings, Bonham; Ruby V. Flemmings, Ful-shear; Tenola R. Flemmings, Bryan; Mary B. Ford, Gilmer; Birdie L. Foster, Mexia; Rubie Lee Foster, Orange; Ida Mae Johnson Forward, Jasper; Elhora Franklin, Stoneham; Johnson Frankie Franklin, Washington; Rebecca J. Franklin, Navasota; Emma Frazier, Silsbee; Estella Frazier, Calvert; Cortinez Letha Freeman, Leesburg; Susie W. Fridia, Brown-wood; Lula Mae Fuller, Nacogdoches; Pearline Fuller, Tatum.

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ENROLLMENT FOR REGULAR SESSION 1931-1932

Class	College Department						Totals		G. T's.		
	A.&S.		Agri.		H.E.					M.A.	
	M	F	M	F	M	F	M	F		M	F
Senior	16	37	21	40	5	0	42	77	119		
Junior	19	29	19	26	1	13	39	68	107		
Sophomore	25	48	24	53	8	1	57	102	159		
Freshman	28	68	33	68	17	15	78	151	229		
Unclassified	0	3	3	2	1	0	4	5	9		
Specials							34	5	39		
Totals	88	185	100	189	32	29	254	408	662		

Extension School Department

Grand Totals

	Male	Female	Total
Galveston	4	34	38
Nacogdoches	7	33	40
Houston	4	19	23
Beaumont	3	23	26
Totals	18	109	127

Training School Department

Elementary Grade	35	30	65
High School	8	24	32
Totals	43	54	97

Grand Totals

College Department	254	408	662
Extension Department	18	109	127
Training School Department	43	54	97
Grand Total	315	571	886

ENROLLMENT SUMMER 1931

Class	College Department							
	A.&S.		H.E.	Agri.	M.A.	Totals		
	M	F	F	M	M	M	F	Total
Senior	25	101	29	39	3	67	130	197
Junior	27	122	55	38	2	67	177	244
Sophomore	27	171	119	23	1	51	290	341
Freshman	16	169	81	11	2	29	250	279
Unclassified	18	75	24	8		26	99	125
Post Graduate	3	3	1	1		4	4	8

Totals	116	641	309	120	8	244	950	1194
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Post Graduates						2	4	6
Specials						4	10	14

Training School Department

Elementary Department	30
High School Department	10
Totals	40

Grand Totals:

College Department	1194
Training School Department	40
Specials	14
Post Graduates	6

Total,

1254

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